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WATER QUALITY CONSERVATION, ARKANSAS-RED RIVER BASINS. APPENDIX. VOLUME II. WATER QUALITY DATA. PART 3. STREAM UNIFORMITY STUDY DATA AND BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES, ARKANSAS RIVER BASIN

Public Health Service
Dallas, Texas

March 1964

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WATER QUALITY CONSERVATION
ARKANSAS-RED RIVER BASINS
APPENDIX
VOLUME II – WATER QUALITY DATA
Part 3

Stream Uniformity Study Data and Basis for Correlation of Specific Conductance and Chemical Analyses Arkansas River Basin

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Public Health Service, Region VII
Dallas, Texas
MARCH 1964

WATER QUALITY CONSERVATION

ARKANSAS-RED RIVER BASINS

APPENDIX
VOLUME II - WATER QUALITY DATA

Part 3

Stream Uniformity Study Data and Basis for Correlation of Specific Conductance and Chemical Analyses Arkansas River Basin

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service, Region VII
Dallas, Texas

MARCH 1964

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INTRODUCTION

The compilation of water quality data collected during the 27-month period of intensive study (July 1960 through September 1962) of the Arkansas-Red River Basins Water Quality Conservation Project is presented in five parts. These data were gathered to provide a basis for (1) location and definition of the significant natural and manmade sources of salt (mineral) pollution, and (2) determination of the effects of these sources on the quality of water in the receiving streams. The intensive investigation of water quality and natural sources of mineral pollution was limited to the central portions of both basins, the area in which major salt sources exist, and mineral pollution is most severe.

Stream quality monitoring consisted of continuous specific conductance recording combined with continuous flow measurement (flow gaging was carried out by U.S. Geological Survey and U.S. Army Corps of Engineers). Weekly grab samples were collected and analyzed to provide a basis for correlation of specific conductance with dissolved solids, chlorides, and sulfate concentration. In addition to these, samples were collected for trace elements and radioactivity analyses.

Streams uniformity analysis were run to corroborate the applicability of the continuous record of specific conductance or to provide a guide for adjustment sampling point within the stream cross section.

The five parts of Volume II are arranged as follows.

Part 1 Monthly Summary of Continuous Recorded Flow and Quality Data.
Daily Flow and Continuous Recorded Quality Data.
Chemical Analyses of Natural Brines Sources.

Part 2 Chemical Analyses.

Part 3 Stream Uniformity Study Data and Basis for Correlation of Specific Conductance and Chemical Analyses - Arkansas River Basin.

Part 4 Stream Uniformity Study Data and Basis for Correlation of Specific Conductance and Chemical Analyses - Red River Basin.

Part 5 Trace Elements Analyses.
Radioactivity Record.
Index to tabulations.

The first year of stream monitoring included 64 stations, and 55 during the second year. These stations are located as shown on Figure 1. The Public Health Service is continuing the operation of a surveillance monitoring network at 36 stations and is continuing other special field studies related to this problem.

Explanation of Tabulations

General

Data tabulations are arranged according to basin in upstream order. The downstream station on the main stem is first, followed by the next upstream station. Where a tributary enters between two main stem stations, all of its stations in a upstream order are shown between the two main stream stations.

The following general identification is provided for each tabulation of data except the chemical analyses of natural brine sources(in Part 1 of this volume).

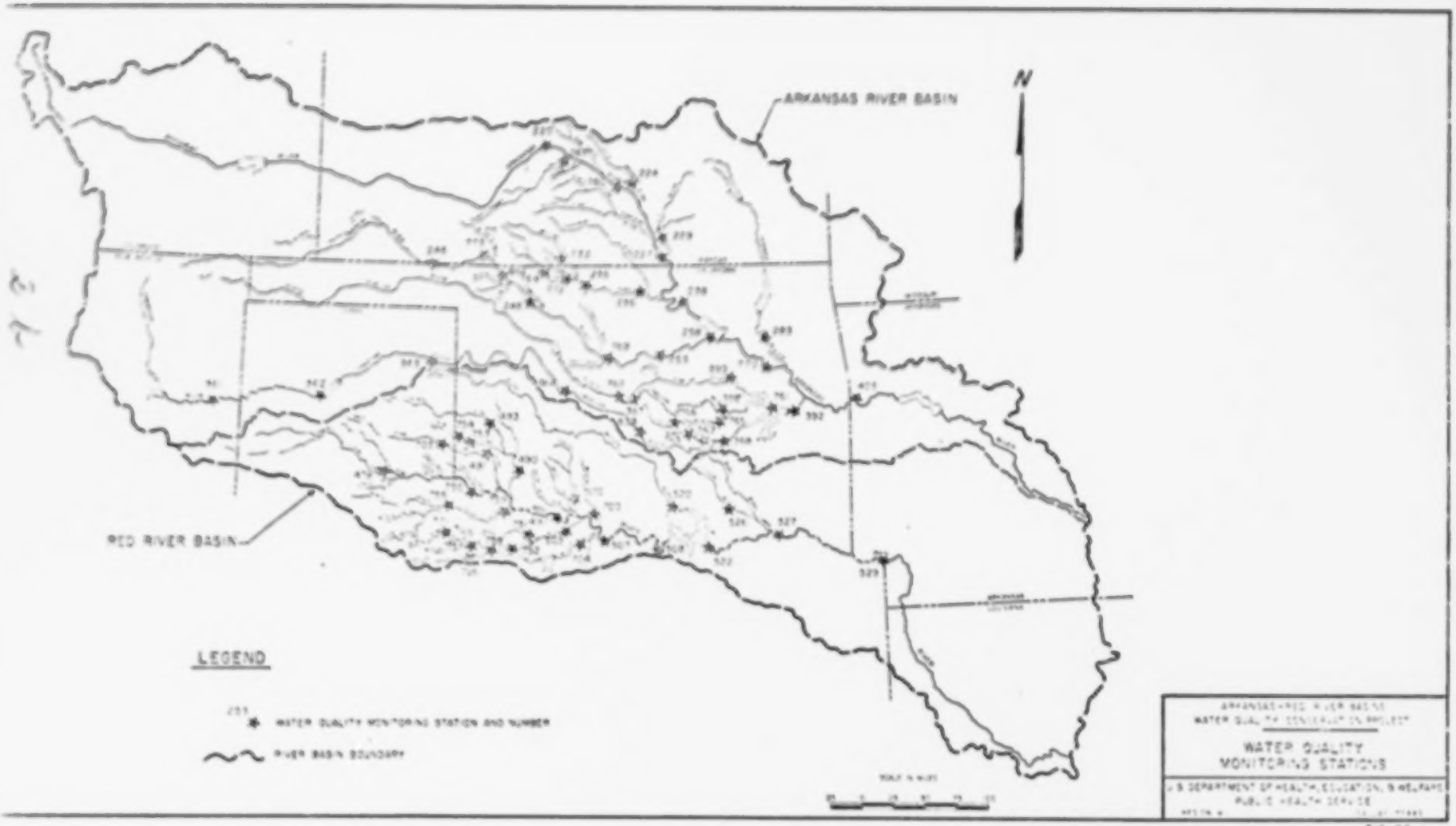
Public Health Service Station Number (No.): This number was assigned to identify each monitoring station location. (See the "Monthly Summaries of Continuous Recorded Flow and Quality Data" in Part I of this volume for U.S. Geological Survey - USGS-Station Number when applicable.)

Location: Designates the stream monitored and the general location of the station with respect to the nearest community. The geodetic description of the station is presented on the "Monthly Summary of Continuous Recorded Flow and Quality Data" in Part 1 of this volume.

Basin: Indicates the major basin in which the water quality monitoring station is located.

Tributary to: Identifies the stream to which the monitored stream is tributary, when the watercourse being monitored is other than the Arkansas or Red Rivers.

All data computations were made by the Statistical Services Section, Sanitary Engineering Center, U.S. Public Health Service, Cincinnati, Ohio, using a Honeywell 400 computer. All programming and related work were done by personnel of the Statistical Services Section, with the aid of Project personnel and personnel of the Field Operations Section, Technical Services Branch, Water Supply and Pollution Control Division, Cincinnati, Ohio.


ARKANSAS RIVER BASIN
N
RED RIVER BASIN
LEGEND
WATER QUALITY MONITORING STATION AND NUMBER
RIVER BASIN BOUNDARY
WATER QUALITY
MONITORING STATIONS

FIGURE

All chemical analyses, unless otherwise noted, and radioactivity measurement, were carried out in accordance with procedures set forth in "Standard Methods for the Examination of Water and Wastewater," 11th edition, 1960, American Public Health Association, New York 19, New York, except sulfate determinations in the Public Health Service laboratories, where a modified turbidimetric procedure was used to improve accuracy. Rare metals (included in Trace Elements Analyses) were analyzed by semi-quantitative spectrographic procedures.

Part 1

Monthly Summary of Continuous Recorded Flow and Quality Data

This tabulation summarizes the two basic measurements, continuous specific conductance and continuous streamflow. The bases for this tabulation are the "Daily Flow and Continuous Recorded Quality Data" which follow the summary tabulations.

Correlations between conductance and concentration of chlorides, sulfates, and dissolved solids, were determined for each station from analyses of weekly grab samples collected during the study (see Parts 3 and 4 of this volume for the tabulations of "Basis for Correlation of Specific Conductance and Chemical Analyses"). These individual correlations were used to compute constituent concentrations. The correlation equations are shown for each tabulation. Flow measurements were then used to translate concentrations in mg/l to load in tons per day.

Also presented as a part of this tabulation is a summary of main stream flow data consisting of mean annual flow for the period of record and the range of annual flows, in cubic feet per second (cfs), together with an indication of the period of flow record (in years).

"Remarks" are comments on conditions during the period of intensive study.

All tabulations indicate zero (0) when the measurement was zero and a dash (-) when no data were obtained.

All flow data included in this compilation are provisional data furnished by the U.S. District Office of the Surface Water Branch of the U.S. Geological Survey in Arkansas, Kansas, New Mexico, Oklahoma, and Texas. The maximum and minimum of the daily means are shown for each month and for the entire year. Complete flow measurements are shown in this part including periods when no specific conductance was measured.

Weighted Mean (Wt. Mean) - This value in mg/l of the mineral constituent for any period (day, month, or year) is the total weight of the constituent divided by total volume of flow for the period of measurement. The specific conductance, as measured continuously, was weighted similarly for any period. The concentration of each constituent was computed from the specific conductance, using correlation equations derived from laboratory analyses of weekly grab samples.

The tabulation shows the highest and lowest of the daily means of specific conductance recorded and concentration computed during each month and the water year. Instantaneous maximum and minimum of each constituent for the water year are shown under "Remarks". A zero daily mean concentration (and load) representing a zero daily flow was not considered in selection of the monthly and annual minimum daily means. Zero daily flows are shown, however.

When continuous specific conductance measurements were not obtained for a significant portion of the total streamflow in a water year, an engineering review was made of the nonmeasured periods and reasonable quality estimates assigned to all or a portion of the flow. Flow rates, flow patterns, continuous recorder qualities before and after the no-record period, similarity of flows and patterns to measured periods, and results of grab samples were used to select reasonable estimates of quality for periods up to several weeks.

Chemical Analyses of Natural Brine Sources

This is a tabulation of the results of chemical analyses of grab samples collected at the various natural brine sources described in Volume I of this appendix and located as shown on Figure 2 (at the back of Part 1 of Volume II).

Each tabulation is identified as to Area Location, Area No. as designated on maps and charts, Collection Point, Basin (River) in which the brine source is located, and tributary to which the source emits. RATSEC designates the Robert A. Taft Sanitary Engineering Center and USGS designates the U.S. Geological Survey.

Part 2

Chemical Analyses

All tabulations are in accordance with general conditions previously described.

Part 3

Stream Uniformity Study Data and Basis for Correlation of Specific Conductance and Chemical Analyses - Arkansas River Basin

Part 4

Stream Uniformity Study Data and Basis for Correlation of Specific Conductance and Chemical Analyses - Red River Basin

The tabulations of stream uniformity study data presented in these parts (3 and 4) are sections of specific conductance across the various watercourses from left bank to right looking downstream together with stream width and flow at the time of sectioning.

Uniformity of stream quality or representativeness of the specific conductance recorder measurements is reported in the "Remarks" on the Summary Tabulations in Part 1 of Volume II. In general, the recorded conductances were a good representation of the average conductivity of the stream. Quality differences occurred occasionally at some stations, especially during high flows. Uniformity was determined from the results of three to eight section samples. Stations on frequently stratified streams were relocated to provide better records.

These parts also include tabulations of the "Basis for Correlation of Specific Conductance and Chemical Analyses" used to derive the summary data presented in Part 1 of Volume II.

Part 5

Trace Elements Analyses and Radioactivity Record

All tabulations are in accordance with general conditions previously described.

STREAM UNIFORMITY STUDY DATA

STREAM UNIFORMITY STUDY DATA

PHS Station No. 403
Location: Arkansas River at Van Buren, Arkansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4		1700			1700		1700			500	8075
10-11			1200		1200		1200			700	4819
10-18		1550		1550		1550		1550		-	4840
10-25	1450			1450		1450			1450	1200	25300
11-2	1200	1200	1200	1200	1200	1200	1200	1200	1200	1400	42075
11-9		530		530		530		530		1200	27625
11-16	1050		1050		1050		1050		1050	800	13588
11-22	1200		1200		1200		1200		1200	750	6624
11-30	1500		1550		1560		1560		1550	600	6409
12-6	1300	1300	1300	1300	1300	1200	1200	1200	1200	350	5513
12-13		660		675		675		675		350	42725
12-21	1000		1000		1000		1000		810	500	27125
12-28	1400		1450		1450		1450		1450	300	12763
1-5-61	1410		1410		1400	1280	1200	1160	1400	800	15275

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 403 — Basin: Arkansas River

Location: Arkansas River at Van Buren, Arkansas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-10-61		1150		1150		1150		1150		-	8050
1-18	1250		1200		1200		1150		1100	1200	10663
1-25								1280		800	7316
1-31	1150			1200		1300			1300	200	4426
2-8	1825				1850		1900		1900	300	6373
2-14	1220		1280		1400		1380		1320	-	8270
2-21		1110		1120		1250		1090	980	1320	19913
3-1	790		760		800		750		675	900	26788
3-7	560	620	740	830		830		730	630	800	26900
3-15	780		840		910		910		900	800	16125
3-22	700		760		810		780			600	19973
3-28	830		860		890		890	790	730	1600	52475
4-4	540		570		620		540		500	1700	71388
4-11		750		780		780		675		800	40238

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 403 — Basin: Arkansas River
Location: Arkansas River at Van Buren, Arkansas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-18-61		800		850		890		890		1200	42775
4-25		800	800		800		840			1000	36375
5-2	840		825		850		860	860		1320	25875
5-9	480		480		475		475		485	1400	223167
5-16	315	315	315	315	315	315	315	315	315	1320	212625
5-23	340	375		395		375		360		-	131250
5-30	325	330	330	330	330	330	310	310	305	1800	132875
6-5	410		410		410	420	400	360		1500	68913
6-13		670		680		670		640		1700	55950
6-19		570		575		580		570		1000	38888
6-27	860			900		905		910	900	800	12800
7-3	780		780		780		780		780	1000	18475
7-11	1040		1070		1100		1080		1050	1760	24300
7-18	255	255	250	260	260	260	250	230	155	1500	118250

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 403
Location: Arkansas River at Van Buren, Arkansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-25-61		445		445		440		435	430	1500	104550
8-1		400			405		400		395	1000	44150
8-8	955			955		955		955		650	12600
8-15	360	430	510	550		580	635	630	680	800	10226
8-21		415	425			430		435	435	1200	36538
8-29		1250	1250	1280	1280	1280	1250	1250		1000	30900
9-6		1080		1100		1040		1080	1080	1000	37481
9-19	280						280	285	285	1000	128375
10-3	350		350		365		395		360	1550	65625
11-1	860		860		860		860	860	870	700	18375
11-14	680		700		700		700	690		1625	44513
11-28	440	440	440	470	470	470	440	440	420	1600	65175
12-5		650	580		690		690	590	540	1600	46713
1-3-62	1100		1100		1080		1100		1100	700	26325

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 403
Location: Arkansas River at Van Buren, Arkansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-16-62	550		570		570			570		775	27900
1-30	880		880		900		870		870	750	35250
2-13	900		900	940	940		925		950	750	27825
2-27		670		760		775		670		875	34275
3-13			1110			1110		1110		600	15013
3-27	490		500		520		550	530	510	1575	71050
4-10	775		760		800		830	825		750	17800
4-24	480		480		480			480		1700	70100
5-8	1025		1000		1075		1100		1100	690	12300
5-22	1360		1410		1480		1510		1500	660	4585
6-5	900				740	760	800	775		1250	46850
6-12	1125		1125		1125		1125		1125	1700	117667
6-19	860		850		850		830	800	800	800	30975
7-3	1500				1625		1625		1650	750	13525

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 403
Location: Arkansas River at Van Buren, Arkansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-17-62		630		650		650		650		775	21163
7-31	715		720		705		670		650	750	17963
8-14	1450	1450	1450	1350	1300	1400	1450	1450	1450	750	8575
8-28	1250		1260		1280		1290		1290	800	3629
9-10	630		620		640		650	650		750	12025
9-25	385				385		400		385	800	44113

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 392
Location: Canadian River near Whitefield, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60			1550		1550		1570			300	1048
10-11			1300		1300		1300			200	467
10-25	1310					1410			1200	400	5968
11-2				880			880			150	4813
11-9	890				890			900		-	1856
11-16	1180			1160		1180			1180	200	860
11-22	1200				1200				1200	40	794
11-30				1390		1410				200	694
12-6	1200			1200		1200			1200	200	1012
12-13			430			430				150	10495
12-21	1200				1200				1200	300	2305
12-28				1350		1350				125	1374
1-5-61	1100				1100				1100	150	2878
1-10		1200			1250			1200		-	1489

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 392
Location: Canadian River near Whitefield, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
1-18-61		1100			1100			1100		200	1660
1-25					1600					200	1093
1-31			1700		1700				1700	-	764
2-8		1580			1580			1580		100	1208
2-14	1240				1200				1200	300	1693
2-21		1180				1180			1180	250	4701
3-1			950		950		950			400	2233
3-7	680					680			650	200	4575
3-15	1250		1250		1200				1200	300	1363
3-22	1010				1020				1000	400	2440
3-28	710		700		670		640	640		350	11979
3-30							500			900	33616
4-4	640		630		630		640		630	400	10019
4-11			1150		1160			1140		450	5509

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 392
Location: Canadian River near Whitefield, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
4-18-61		1030			1030			1030		-	2964
4-25			1310		1310		1310			200	1498
5-2			1600				1600			200	955
5-9	450			450		450			450	400	18438
5-16		800		800		800		800		300	3205
5-22		750		750	750	750		750		400	6566
5-29			550		550		550			450	4056
6-5	710				690				700	300	2087
6-13				1080			1080			350	4619
6-19	745				745				745	300	6753
6-26	780				780				780	350	1925
7-3			820			840			840	300	1083
7-10			800				800			400	3679
7-18		305				305			305	450	11904

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 392
Location: Canadian River near Whitefield, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-24-61			420		420		430			700	25892
8-1		485		485			485		485	400	4265
8-8		1110		1110			1110		1110	350	809
8-15	1110			1150		1110		1130	1130	500	1141
8-21			710		715		715			500	2020
8-29		1130		1130		1130	1130	1130	1130	600	1345
9-6	1140			1160			1120		1120	350	701
9-12	1280		1420		1400		1400		1490	400	918
9-19	530		530		530		530		530	600	5685
9-26	585		585		595		600		590	550	3102
10-3	595		595			595			580	575	9964
10-10	1050		1010		1010	1010		1000	1000	500	1303
10-18	800				800			800		300	2393
10-26	1000				1020			1020		375	1093

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 392
Location: Canadian River near Whitefield, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-1-61	1110		1110		1120		1120		1120	375	824
11-6	1030		1030		1030		1030		1030	700	5585
11-14			910				900		910	450	2174
11-21	960		990		990	960	960		975	400	3375
11-28	460		460		460		460		455	525	6326
12-5			1110			1125			1110	500	3245
12-14	840		840		825	825	830		830	525	4550
12-19	615			615			615		615	500	10398
12-27	880			880		880			890	520	3559
1-3-62	1410			1400			1400			500	1861
1-9				1400				1400		300	1790
1-16						1500			1500	450	1880
1-23	440		420		420	420			420	500	7053
1-30	1060		1050				1050		1040	400	4121

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 392
Location: Canadian River near Whitefield, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-6-62			1400			1320		1380		275	2148
2-12	1650	1650	1650	1650		1675	1675	1675	1675	560	1388
2-19		1390	1360	1360			1390		1390	320	1385
2-27								700		500	4616
3-6	1300		1300		1325		1300		1325	560	4400
3-12			1200		1190			1190		350	1664
3-20			1500					1500		400	1703
3-27	405		405		400		400		390	550	13950
4-2	340		340			340			340	630	7987
4-10	930		930		930			920		600	2444
4-17	875			875			875		875	560	3773
4-24		350			350		350		350	800	40300
4-30					780					650	9541
5-8	1000		1000		1000		1000		1000	540	2123

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 392 — Basin: Arkansas River
Location: Canadian River near Whitefield, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-14-62	1450		1450			1450			1450	375	1039
5-22	1650		1630		1640				1620	400	499
5-29		1200			1200				1200	425	1016
6-5	675			675		675			670	600	10561
6-12	510			510			510		510	850	21444
6-18		460			465				465	450	7615
6-26		540			520			520		300	6135
7-3	1200				1200				1200	340	2750
7-9	1110				1120			1100		290	1178
7-17		420					420		420	300	2290
7-24		960		960		960		960		400	3426
7-31	610				610				620	450	2215
8-7	1600					1600			1600	435	5972
8-14	1550		1550	1600	1600		1600	1600	1600	300	576

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 392
Location: Canadian River near Whitefield, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-20-62	1525		1525			1525		1525		200	273
8-28	1700			1690			1680		1670	320	162
9-5	560				560				560	410	2378
9-10	550				550				570	450	6038
9-18	540		560	600	640		680		690	460	7607
9-24	560				560				560	385	3806

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 761
Location: North Canadian River near Eufaula, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60			2100				2100			150	2200
10-11				1700		1700				50	171
10-18		1800						1800		200	179
10-26	1200			1190		1190			1150	150	694
11-2		900			900			900		200	2014
11-9		960		960		960		950		200	834
11-16	1120		1120		1120		1120		1120	200	481
11-22					1150					45	435
11-30			1250		1225		1220			-	344
12-6	1200				1200				1200	250	462
12-13			725			725		705		200	1941
12-21	1170				1170				1170	150	872
12-27			1080				1080			75	582
1-5-61		1680			1680			1680		175	794

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 761
Location: North Canadian River near Eufaula, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-10-61			1450				1400			-	526
1-18			1250				1225		1225	100	448
1-25			1800							100	313
1-30			1950						1900	80	321
2-8			1600				1600			100	404
2-21		1300		1300			1300			150	1660
3-1		1000			1000		1000			300	1063
3-7		1050			1050			1050		250	1301
3-15		1380				1380		1380		80	502
3-22	1200				1220				1220	-	908
3-28		1230		1240			1250			150	2543
3-30					900					400	6598
4-4	700		700		700		700		690	600	3601
4-11	1000		1050		1050				1050	400	2649

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 761
Location: North Canadian River near Eufaula, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-17-61			960		960		960			400	1764
4-25			1310				1310			50	762
5-9			580		590				600	600	7754
5-16	680		680			680	690	700		150	2376
5-22	1190				1220			1220		658	4052
5-29				560				560		-	2798
6-5			900		900			925		-	1278
6-13				890				1000		-	1748
6-19		430		485			650			400	4471
6-22			490							700	3254
6-26	730			740			780			-	1163
7-3		990					990			-	553
7-10		800			800			790		-	3104
7-17		235		240		250		300		450	9075

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 761
Location: North Canadian River near Eufaula, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
7-24-61		400		400				400		500	10300
8-1		400			410		465			350	3375
8-7		960					950			200	613
8-15		1080	1100	1100			1100		1100	300	469
8-21			640				640			280	869
8-28		1120					1120	1120	1120	230	483
9-5						1310				150	348
9-12				1550			1550	1550		215	401
9-19	460	465	460		465	470 495	505	500	505	450	3499
9-26	570	585		585			585			150	2033
10-2	820	820				820		770	620	315	2296
10-10	1100		1100		1100	1090		1200	1200	175	1508
10-17	750		750			790			760	250	1216
10-25		920			940		970			200	649

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 761
Location: North Canadian River near Eufaula, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-31-61	1110	1110	1110		1110	1110	1110	1110	1110	218	498
11-6		1100	1100		1100		1190		1160	300	2590
11-13	790				870		850		840	230	1473
11-21	860	860			880	880	880	900	900	330	1887
11-27		520	530		545		545		545	280	4063
12-5		1080				1080	1080	1100	1100	280	1226
12-14	1300			1300			1300	1300	1300	315	2405
12-19		600		600		610		610		370	6213
12-26	775		790	830	870		910		900	235	2653
1-2-62		1390				1390	1400		1400	300	981
1-9							480			250	794
1-15	1400				1400		1425		1425	325	817
1-23	1420	1450	1450			1450		1480	1490	115	948
1-29			1550				1550	1550	1550	240	1386

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 761
Location: North Canadian River near Eufaula, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-6-62			1600				1550			300	644
2-12	1750		1750		1750		1750		1750	180	791
2-19	1680		1680			1680			1650	150	874
2-26						1690			1650	250	1006
3-5	975	975	975	975		1100	1100	1175	1175	275	2418
3-12	1310			1310			1310			150	733
3-19	1690			1700				1680		190	471
3-26	530	530	530	520		600	650	650	650	360	6355
4-2		980	980		980	980		960	940	280	1525
4-9	1400				1400			1400		300	781
4-16	600		625	640		675	760	780	820	280	2651
4-23		475			475		475	445	405	700	14873
4-30				940			1010			350	3424
5-7	1050	1050	1050			1050	1050	1050	1050	410	1313

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 761
Location: North Canadian River near Eufaula, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-14-62		1525			1525		1550		1525	250	555
5-21	1750				1750			1750		200	281
5-28	1900				1900			1900		165	318
6-4	740				750			740		600	3613
6-11	560		560		590			650	650	440	12138
6-18	380		380		385			440		300	5373
6-25	590				600			600		250	2889
7-2	1200		1200		1150			1200		90	1570
7-9				1100				1100		180	824
7-16			400		400			460		200	2213
7-23	1250		1250		1250			1250		400	637
7-30			610					600		180	1434
8-7	1050				1050				1050	100	355
8-13					1380	1380	1400	1400	1400	-	209

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 761
Location: North Canadian River near Eufaula, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-20-62			1530		1530			1530		150	119
8-27			1900					1900		100	85
9-4	750				725		650	550	550	200	796
9-10	430				435			630		360	3823

Continuous recorder location conductance underlined

STREAM UNIFORMITY STUDY DATA

PHS Station No. 390
Location: Deep Fork near Beggs, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60				1400		1400				50	58
10-10		1350						1350		30	45
10-17			1280				1280			75	27
10-24		1500				1450				60	156
11-2			745				745			100	177
11-8		825				820				50	161
11-15	850				840				850	50	88
11-22					825					40	104
11-29			950			975				35	84
12-7	640				620				620	100	348
12-14			1000				1000			30	241
12-20					650					35	282
12-28				830		830				40	139
1-4-61	970				970				970	75	133

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 390
Location: Deep Fork River near Beggs, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-9-61					1020					25	106
1-17			1270		1280		1280			50	99
1-24			1200			1200				75	79
2-1			1330					1330		30	73
2-9	1500								1500	40	90
2-13			1250				1250			75	100
2-22				700						40	338
2-28			760				760			40	326
3-8		900						900		60	263
3-14		1200					1200			50	113
3-21		1410						1410		50	145
3-27		1280					1300			50	249
4-14			770				770				
4-11					650					40	908

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 390 — Basin: Arkansas River
Location: Deep Fork River near Beggs, Oklahoma — Tributary to: Canadian River

Specific Conductance as Microohms/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-19-61			900				900			-	31[a]
5-10			600				600			100	1823
5-16			620				620			75	706
5-23		480			480			480		40	1563
5-30	440								440	75	1733
6-5					720					50	774
6-13				600						80	860
6-20				360				360		100	2404
6-27		690					690			60	297
7-4			880							50	142
7-11					210			210		112	2243
7-18				385			385			100	2265
7-25				195			190			110	3305
8-2		525						510		75	413

Continuous recorder location conductance underlined.

STREAM CONDUCTIVITY FLOW DATA

PMS Station No. 340 — Basin: Arkansas River

Location: Deep Fork River near Beggs, Oklahoma — Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-8-61		680					660			50	211
8-15			510				500			60	229
8-22			840			840				60	238
8-29			740				740			30	157
9-6		1460						1450		50	135
9-12			1050							55	94
9-19	300		300		300		300		300	75	2186
9-26		475								-	495
10-3		960					960			70	582
10-10	660		660		650		650		650	50	240
10-18			620					620		60	516
10-26			830					810		50	194
11-1	975				1000				1000	50	125
11-7			830				820			50	788

Continuous recorder location conductance underlined.

STREAM ENVIRONMENTAL DATA

FWS Station No. 340 — Basin: Arkansas River

Location: Deep Fork River near Beggs, Oklahoma — Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/4	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
11-14-63		740			740				750	50	336
11-21	700		700		700				700	65	874
11-28		630					630			60	929
12-5		900					900			40	353
12-14	1080		1080		1080				1090	60	378
12-20				700						100	1705
12-27			825				825			60	574
1-3			1130				1100			60	317
1-9			1020							50	512
1-16			1340					1290		70	404
1-23	1475		1475			1475			1475	50	372
1-30			1180				1180			60	349
2-6			1270							30	283
2-13		1430			1430		1430			60	226

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 390
Location: Deep Fork River near Beggs, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
2-20-62			1390				1390			50	233
2-28		1500					1500			70	244
3-6	1250		1250		1250				1250	60	403
3-13			1360							50	258
3-27	490		490						490	75	2140
4-3			970					970		60	429
4-17	600		600		600				600	80	2130
4-25				590						90	1465
5-1					620					60	909
5-8	975	975	975						975	50	378
5-15			1250				1250			60	180
5-22		1470				1470				60	110
5-29		1650			1650				1650	50	176
6-5	480			480					480	85	1955

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 390
Location: Deep Fork River near Beggs, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-26-62			800				800			50	396
7-4			900		900				900	60	309
7-17			515				520			60	396
7-24		410		410			410			75	809
7-31			840				840			75	280
8-7	1100		1100						1100	50	126
8-14	1200	1200	1200	1200	1200	1200	1200	1200	1200	30	69
8-21		1410			1410				1410	35	28
8-29		1520								36	20
9-5	275			275	275				275	80	2056
9-11		520	520				500			-	751
9-18	310			310					315	100	2666
9-25	500		500		510				520	70	902

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 765
Location: Wewoka Creek near Wetumka, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60					7100					10	2
10-11					6400					8	1
10-18			5100				5100			50	42
10-25					310					100	173
11-3					1800					10	14
11-9					1960					10	3
11-14					2500					10	3
11-21					2800					5	3
11-28					3300					8	3
12-6	2600				2600				2600	100	410
12-12			600		600		600			60	359
12-27	3000				3000					75	10
1-3-61	1310				1310					100	87
1-10					2200					10	24

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station: 05
Location: [illegible] Creek near Wetumka, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-18-61					3300					15	18
1-23					4180					10	13
1-30					5950						11
2-7					5800					30	16
2-15					4600					75	18
2-21					1480						57
2-27					2800						37
3-7	4750				4750				4750	50	138
3-15					2400					60	21
3-20			4050							30	43
3-27		1220						1220		50	416
3-29						1350				100	200
4-4	1300				1300				1300	100	288
4-17					2850					50	75

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 765
Location: Wewoka Creek near Wetumka, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-8-61	590			590			590			125	939
5-15		2350				2350					71
5-22		1300			1300			1300		150	908
5-29						2150				35	40
6-14						2200				50	32
6-19						1760				20	22
6-26		2000						2000		100	572
7-10				850						80	148
7-17			850					870		120	301
7-24		650					660			80	633
7-31	2860					2860				40	54
8-7				3500						15	10
8-14					3900					75	7
8-21				1400					1400	60	39

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 765
Location: Wewoka Creek near Wetumka, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-28-61			2100				2100			10	8
9-5								1600		30	281
9-12					2400					85	50
9-18	1670				1680		1690		1680	25	111
9-25					3360					20	29
10-2					5450				5400	100	159
10-9	3350				3350				3350	25	19
10-17							1800			30	30
10-25					3275					35	17
10-31	1030		1055		1080		1070		1080	70	329
11-6						3950				35	29
11-13					3800					40	17
11-20	1420				1420		1420		1420	35	54
11-27		1450					1450			60	157

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 765
Location: Wewoka Creek near Wetumka, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
12-4-61				3500						35	75
12-13	2200		2200		2200			2200		41	114
12-19			1240						1240	40	293
12-26						3150				45	78
1-2-62		4900							4800	35	54
1-8			5500				5500			3[illegible]	81
1-15					4600				4600	35	95
1-22					4300					15	52
1-29						4350				35	58
2-5				4500						20	37
2-12	5400				5400		5400			25	25
2-19							5700			25	29
2-26	3800						3800			40	53
3-5	1525				1525		1525		1525	75	169

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 765
Location: Wewoka Creek near Wetumka, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
3-12							3320			20	56
3-19						4200				30	32
3-26	900				900			900		80	422
4-2		2800					2800			40	84
4-9	4000						4050			50	64
4-16	4400					4400			4400	40	36
4-23			620				620		620	160	5527
4-30							1360			60	249
5-7	2800					2800			2800	60	46
5-14		4000						4000		30	29
5-28	6000			6000			6000		6000	60	69
6-4	4100					4100		4100		90	54
6-11	550				550		550		550	100	1548
6-18					1340					20	26

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 765 — Basin: Arkansas
Location: Wewoka Creek near Wetumka, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-25-62	1100						1080			50	141
7-2	1900						1900		1900	30	39
7-9						1200				25	36
7-16						850				6	1
8-9				960							4
8-13				380	380	380				50	3
8-20		300			300			300		75	2
8-27					320					45	2
9-4	2600					2600			2600	60	6
9-10					1125					60	15
9-17		1800				1810				75	29
9-24	1600					1600			1600	55	9

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 388 — Basin: Arkansas
Location: North Canadian River near Wetumka, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micrombos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60				2800		2800				150	100
10-12			2200			2200				80	70
10-19	1600				1610				1600	150	237
10-26	1100				1100				1100	150	283
11-3			770		770		760			400	1178
11-9		1090		1090		1090			1100	300	469
11-14			1250		1250				1250	100	314
11-21				1350		1350				75	266
11-28			1480			1350				75	219
12-6	850				840				840		663
12-12				800			800			100	751
12-19	1300				1300				1300	100	324
12-27				1950		1950					191
1-3-61	2500				2500				2500	100	246

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 388
Location: North Canadian River near Wetumka, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 1/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-10-61				1850			1800			100	156
1-18		2400			2400			2400		200	141
1-23	1850				1850				1900	150	186
1-30	1950				1950				1950	100	193
2-7			1600				1600			80	238
2-15			1650				1650			150	253
2-20				950			950			100	663
2-27				1300		1300				110	254
3-7	1180				1180				1180	120	579
3-15				1600				1600		100	253
3-20			1480					1460		100	274
3-27				1260				1260		150	644
3-29				1500						150	624
4-4	960					950				150	862

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 388
Location: North Canadian River near Wetumka, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-10-61		1200						1200		100	1065
4-17			1500				1500			150	512
4-24			1550				1550			35	208
5-3			1800						1800	175	194
5-8	700				690				700	350	933
5-15			1300		1300		1300				523
5-22		455			455			455		400	3758
5-29	1200				1200				1200	125	366
6-5									1500	50	288
6-14			1030				1030			150	694
6-26		1290				1290			1290	250	1076
7-3				1250					1250	100	249
7-17		820				810			820	200	869
7-24			300			300		300		375	2381

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PMS Station No. 388 — Basin: Arkansas

Location: North Canadian River near Wetumka, Oklahoma — Tributary to: Arkansas

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
7-31-61				1110				1110		100	320
8-7			1680					1700		125	184
8-14		2250				2200		2200		100	165
8-21		610			610			610		120	235
8-28		1730		1730		1730		1730		150	134
9-5				1200						100	270
9-11				1200				1200		100	149
9-18	570		570		570		570		570	130	1105
9-25			1390					1390		90	534
10-4				950					940	120	92
10-9	1475		1475		1475		1475		1475	125	241
10-17				810				810		100	651
10-25			1340				1360			115	332
10-31	1350		1280		1250		1210		1190	110	323

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 388 — Basin: Arkansas
Location: North Canadian River near Wetumka, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-6-61	780				780				770	200	1139
11-13	1230				1225				1225	100	552
11-20		960	960		960			960		125	784
11-27	1020				1020				1020	120	642
12-4	1580				1580				1580	115	406
12-13	1700			1700	1700				1700	115	512
12-19	700				700				700	125	996
12-26		1490			1490			1490		70	432
1-2-62	2000				2000				2000	90	411
1-8	1750						1750			70	530
1-15			1600							250	401
1-22						1850			1850	75	150
1-29			2000				2000			55	337
2-6							2350			35	239

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 388 — Basin: Arkansas

Location: North Canadian River near Wetumka, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-12-62	1600			1550		1550			1550	100	403
2-19	1630			1630			1630		1630	115	380
2-26	1690			1690			1690			200	368
3-5	1750					1750			1750	110	371
3-12			2000				2000			120	243
3-19		1825			1825			1825		150	277
3-26	1000				1000		1000		1000	120	797
4-2			1600		1600			1600		100	238
4-9		2000					2000			175	241
4-16	1300				1300		1300		1300	115	304
4-23	360				360			360		350	3272
4-30		600					600			200	981
5-7	1625				1625		1625		1625	115	249
5-14		1850						1850		200	175

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 388 — Basin: Arkansas

Location: North Canadian River near Wetumka, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-21-62		2150					2150			100	156
5-28	2000			2000			2000		2000	100	186
6-4	550				550				550	400	2857
6-11	380				380			380		375	3283
6-18		1080			1070		1080		1060	300	1149
6-25		1790				1780		1780		350	976
7-2	900						900		900	225	795
7-9		1340			1330		1330			150	456
7-16		1700						1700		120	164
7-23			1725				1725		1720	200	164
7-30	1550					1550			1520	120	215
8-6		1500			1500				1500	110	153
8-13				1650	1850	1800				30	81
8-20			2100			2100				100	65

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 388
Location: North Canadian River near Wetumka, Oklahoma

Basin: Arkansas
Tributary to: Arkansas

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
9-4-62	875					875			875	100	125
9-10	1160				1160			1160		250	314
9-17	1050			1080			1080			300	450
9-24	1400		1400		1400				1400	85	121

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PRS Station No. 387

Location: North Canadian River near Oklahoma City, Oklahoma

Basin: Arkansas

Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60			1950				1950			250	82
10-10			2			3800				150	49
10-17	3700			3600		3750			3750	500	59
10-24	770		760		740		730		730	300	314
11-1	900			900		880			900	300	1179
11-8		1850			1850			1850		175	150
11-15	1700			1700		1700			1700	150	152
11-22				1500			1500			200	158
11-29		1500			1500			1500		150	154
12-8	1800			2000					2000	200	134
12-12			1450			1400					302
12-22		3000		3100	3100					100	53
12-29						3000				30	51
1-4-61			3010				3010			50	56

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 387 — Basin: Arkansas

Location: North Canadian River near Oklahoma City, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micrombos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-9-61					3000					30	53
1-17	2700			2700				2700		200	101
1-24		2000						1960		125	99
1-30			2900			2900					177
2-9			1650				1660			150	183
2-13	1500				1390				1390	200	240
2-22		2200			2200			2200		200	59
2-28			1800				1800			150	91
3-6	1750			1750		1750			1750	150	146
3-14		1680			1650			1680		250	142
3-21	1400				1400				1400	300	245
3-29			1450		1450		1450			400	255
3-31						1100				450	828
4-5	1200				1200				1200	300	570

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 387 — Basin: Arkansas

Location: North Canadian River near Oklahoma City, Oklahoma — Tributary to: Arkansas

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-19-61			2450			2400		2400		150	94
4-26			1800								164
5-11		1380					1250			400	619
5-17	1475		1450		1400		1400		1400	400	614
5-24		1650		1650		1650		1650		200	191
5-31						1650			1650	275	197
6-6	1370			1370			1270		1270	250	

Continuous recorder location conductance underlined.

STREAM CHEMISTRY FIELD DATA

PHS Station No. 762
Location: North Canadian River below Lake Overholser, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60						1300				40	16
10-17					1130				1130	75	33
10-24				640				640		150	255
10-31			570				570			125	1533
11-9	1020				1020				1020	70	222
11-14			1200				1175			60	126
11-21	1280				1280				1290	75	134
11-28	1030				1030				1050	100	117
12-5		1300			1300			1300		75	151
12-12				1200				1160		150	117
12-19	950				950				950	75	6
12-27	1100				1100				1100	75	5
1-9-61	940				950				960	50	5
1-16	1200				1200		1200		1200	100	51

Continuous recorder location conductance underlined.

STREAM UNIFORMITY, FIELD DATA

PHS station: 762
Location: North Canadian River below Lake Overholser, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm 25°

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-23-6				1190			1190			30	52
1-30			1220				1220			75	105
2-9				1210			1280			75	126
2-13				1090			1090			50	183
2-20				1110				1110		120	142
3-1		1100					1150			100	78
3-6			1160				1190			50	79
3-13	1320				1320			1320	1320	100	106
3-22			1150				1150			120	215
3-27	1190				1190				1190	100	207
4-3			1150				1150			-	414
4-10	1210				1210		1210		1210	-	344
4-17	1210				1250			1250		100	85
4-24					1100					50	8

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 762 — Basin: Arkansas River

Location: North Canadian River below Lake Overholser, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Microohms/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8		R 1/8	R 1/4	R 3/8	Right Bank	Stream Width, Ft	Flow Cfs
5-1-61				1310			1310			90	143
5-11			1230				1230			125	528
5-15				1280		1280				-	493
5-22					1100		1100			50	19
5-31				1300				1300		40	93
6-7				1080			1080			70	329
6-12			1150					1150		80	451
6-21				1240			1240			175	438
6-28	1060				1060				1060	25	14
7-5					1100					50	9
7-10			1130				1130			50	7
7-17		1090						1100		30	10
7-25		1050							1090	60	29
8-2		1120						1110		55	9

Continuous recorder trace — ductance underlined.

STREAM MULTIPERMIT STUDY DATA

POS Station No. 762

Location: North Canadian River below Lake Overholser, Oklahoma

Basin: Arkansas River

Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow C/s
8-8-61						1030				30	9
8-16					1100					15	8
8-23	1000				1000			1000		40	14
8-31							1070			20	8
9-7			1050			1040				25	15
9-13			335					335		100	3368
9-20			640						660	80	224
9-27			480					460		80	169
10-4	875	880	880	890	900	910	900		900	75	12
10-11	480				480				490	100	824
10-19		695				690			725	75	89
10-27	1260		1290		1310		1300		1300	75	47
11-2			900			810				100	924
11-8	1010					1050			1040	90	461

Continuous recorder location conductance underlined.

Arkansas River

Arkansas River

62

North Canadian River below Lake Overholser, Oklahoma

11-15-61		1100			1100	1130	1260	1200	85	219
11-22	1100				1100			1100	100	347
11-29			1220			1220			75	130
12-6	1400				1400			1400	80	170
1-10-62	1323								-	111
1-24	1400								200	30
1-31	1010								-	9
2-7	1275								-	282
2-14	1370								250	212
2-21	1300								-	190
3-7								1125	75	6
3-14	1625								-	90
3-21	1320								60	118
3-28	1150								75	8

Recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 762
Location: North Canadian River below Lake Overholser, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Microohos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-4-62	1250									-	8
4-18	1250									50	9
5-2	1200									-	10
5-23	1160									50	4
5-31	1200									-	3
6-13	470									200	590
6-20	1275									-	722
7-25	1100									20	12
9-6	930									100	6
9-26	950									40	5

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 368
Location: South Canadian River at Calvin, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Microohms/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-5-60			1200				1200			200	457
10-12				1550					1550	150	157
10-19		720	620		580		570				9703
10-26	860		630		810		800		800	600	6718
11-3	940					920				200	908
11-9		780		780			770			150	1005
11-14	1520				1500				1500	200	304
11-21		1300		1690				1610		75	292
11-28		1650			1700			1700		120	262
12-6	1480	1350	1350		1250		1230	1260		600	3027
12-12			595		595		595			150	4024
12-21	1800				1800				1800	100	1190
12-27			1830			1830				150	733
1-3-61	1150					1200			1200	200	1784

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PWS Station No. 308

Location: South Canadian River at Calvin, Oklahoma

Basin: Arkansas

Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-10-61		1750			1700			1750		300	674
1-16	2000		2000		2000		2000		2000		566
1-23		2000		2000			1920		1950	200	368
1-30				2400		2400				70	240
2-7	1750				1750				1750	300	687
2-15	1650	1650	1650	1650	1650	1650	1650	1650	1650	720	3533
2-20		1350			1350			1350		500	1720
2-27		1500					1500				543
3-6	1950				1950				1900	300	1797
3-13	1930				1930				1930	75	546
3-27	1550		1550		1550		1550	1550		500	3380
4-3	1200				1220				1220	300	3223
4-10		1880			1880			1800		300	2563
4-17		1960						1960		200	776

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 368
Location: South Canadian River at Calvin, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-24-61		2150			2150			2150		200	374
5-8	760		750			740		710		700	2922
5-15	1800		1800		1800		1800		1800		352
5-22		650	625		625		625	605	605	400	4929
5-24								680		250yd.	2181
6-5	1700						1750		1700	100	123
6-14		1000				1050		1010		300	2084
6-19		1070				1070			1070	250	799
6-26	2300					2100			2000	300	606
7-3		1540					1540			175	249
7-10	910				940				1100		313
7-17		760				760			770	500	978
7-24		530			530		530			700	5450
7-31		1210				1210	1210			145	263

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 368
Location: South Canadian River at Calvin, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-14-61	1500			1500					1530	170	90
8-21	760		760	765			760		760	350	472
8-28	1670	1670	1670	1670	1670	1670	1670	1670	1670	420	358
9-5	1790		1710		1610					500	1574
9-11	1190				1190				1190	155	131
9-18	760		760		760		760		760	450	520
9-25		1290		1290		1290		1280	1260	500	1523
10-2	780		790		700		560		490	600	3327
10-9	1600		1600		1600	1600	1575		1575	160	260
10-17		900		900		905		905		300	724
10-25	1510			1540		1530			1970	135	211
10-31	1900		1900		1900		1950		1950	155	261
11-6	690		700			700		700	700	400	766
11-13	1200					1225		1225	1200	205	503

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 368 — Basin: Arkansas

Location: South Canadian River at Calvin, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
11-20-61	1060	1060		1060		1060		1060	1060	175	1281
11-27	1200			1220			1230		1210	300	906
12-4	1700		1800			1800		1800		500	785
12-13	1650			1650		1650	1680		1680	190	701
12-19				910				910		250	2187
12-26	1440			1500			1500		1490	315	1625
1-2-62	1550			1850			1800		1750	400	614
1-8	1900		1900		1900			1930		350	384
1-15	1970			2000			2000		1500	500	431
1-22	1850						1850		1850	140	282
1-29		1600		1620		1620			1620	400	703
2-5	1750				1750				1750	500	546
2-12	1950		1950	1950			1950		1950	200	455
2-19				1800		1850	1850		1810	125	413

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 368
Location: South Canadian River at Calvin, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
2-26-62	2100		2100					2100		250	382
3-5	1450				1450				1450	380	891
3-19	2050					2000			2000	225	204
3-26	1175				1175				1175	190	1023
4-2	1660					1660			1660	100	349
4-9	1800						1800		1800	320	412
4-16	1425				1425		1425		1425	200	486
4-23	960		960	990	1020		1020		1020	650	7108
4-30		710			710		710			600	3372
5-7	1650				1675		1700		1700	300	350
5-14	2500				2500		2500		2500	350	116
5-21	3060				3100		3100			150	65
5-28	2900		2900		2800	2700			2600	325	551
6-4	495		510		500		505	500		800	5485

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 368
Location: South Canadian River at Calvin, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micrombos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-11-62	520		520		520		530		530	750	13902
6-18		1080			1060		1100	1080	1100	345	900
6-25		875				875		875		400	1606
7-2	1100				1100				1100	230	545
7-9	1500						1500		1500	180	98
7-16		1200						1200		200	92
7-23	1200		1200			1200		1200		400	106
7-30	2060				2050				2050	180	223
8-6	1625		1650		1650		1650		1650	405	6337
8-13	1825		1900		1900				1900	250	268
8-20		2150				2150	2150			75	61
8-27		2020				2000		2020		115	51
9-4		900				900			900	110	181
9-10		900			890			900		350	417

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 368
Location: South Canadian River at Calvin, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
9-17-62	770					750			750	250	829
9-24	840				840				840	275	1163

Continuous recorder ' -ation conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 367
Location: Little River near Sasakwa, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
10-5-60			2600				2600			30	18
10-12					3000					25	14
10-19			1010		1050		1010			100	1274
10-26					850					40	432
11-1							1790			40	165
11-9				2700		2700				50	47
11-14				3700		3700				40	43
11-21					2550					20	49
11-28				3550		3550				40	38
12-6	1900				1900				2000	120	1103
12-12				860		860				60	1033
12-19					2850					30	127
1-3-61	1700					1700			1650	50	250
1-11				3150		3300				40	98

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 367
Location: Little River near Sasakwa, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
1-16-61			3800			3800				-	89
1-23			3900			3900				25	71
1-30					4000					-	65
2-7					3550					25	94
2-15	2800				2800					50	87
2-27					2600					40	114
3-6	5000				5000				5000	-	298
3-20					3350					30	123
3-27		1560				1560				40	348
3-29					2000					60	1172
4-2	1480				1480				1480	100	1494
4-10					1700					40	486
4-17					3450					50	152
4-24					3600					40	110

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 367
Location: Little River near Sasakwa, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-8	1950					1950				75	486
5-15					4200					50	110
5-22			1280		1280		1280			150	1325
5-24						610				65	900
5-29			1400			1400				75	147
6-5						3450				40	71
6-19						1500				40	181
6-26					1600					50	238
7-3			3050				3050			30	34
7-10			1300			1300				40	100
7-17					780					80	363
7-24	350			365					355	100	2633
7-31							1650			30	80
8-7					2800					40	39

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 367
Location: Little River near Sasakwa, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
8-14-61	2920					2950				30	21
8-21		1150				1150				40	119
8-28			2900			2900				60	28
9-5					1190					30	420
9-11					2420					30	32
9-18	1075				1075		1080			40	299
9-25					3400					25	66
10-2		1620			1620			1620		60	598
10-9	2950				2950			2950		30	58
10-17							2100			40	88
10-25			4020				4020			24	49
10-31	2700				2700		2700		2700	40	67
11-6						800				40	247
11-13	2700					2700				40	73

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 367
Location: Little River near Sasakwa, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-20-61	1200				1200		1200		1200	40	169
11-27					1510					30	265
12-4	2800				2850				2850	30	123
12-13	2400				2400	2400			2400	30	100
12-19					910					50	759
12-26	2420					2420				27	148
1-2-62	3800				3900					35	108
1-8						3200				27	106
1-15					5700					50	36
1-22	2600				2600				2600	30	92
1-29					2270					35	112
2-5					3100					30	76
2-12	3150					3150			3150	30	62
2-19			3100			3100				30	77

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 367
Location: Little River near Sasakwa, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-26-62					3000					30	81
3-5	2150					2150			2150	35	188
3-12						3820				25	98
3-19						3590				27	68
3-26	2000					2000			2000	45	256
4-9						3200				30	98
4-16	2200				2250				2250	40	93
4-23	1050				1080		1060		1040	100	1960
4-30					760					50	1008
5-7	2800				2800				2800	35	99
5-14						3600				30	43
5-21						4050				35	28
5-28	1825		1800			1800	1800		1825	40	144
6-4	395			435			390		410	110	2388

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 367
Location: Little River near Sasakwa, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-11-62	410				410				410	100	2387
6-18							1810			36	130
6-25						2150				36	132
7-2	1800				1800				1800	40	65
7-9							1960			24	22
7-16						2175				25	10
7-23					3100					25	16
7-30						3550				30	36
8-6	1825					1825			1825	30	12
8-20			2500				2500			20	1
8-27					2800					20	.5
9-4	3400				3400				3400	25	4
9-10					1500					30	116
9-17						1250				35	107
9-24	1075				1075		1075			35	37

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 763
Location: Salt Creek of Little River near DeWright, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-5-60					8000					25	6
10-12					9000					20	4
10-19			920		920		920			100	488
10-26					4200					50	65
11-1					3700					30	16
11-9				8950		8950				50	12
11-14	9500				9750				9600	40	11
11-21					9400					20	9
11-28					9400					25	9
12-5	1190				1200					60	111
12-12	1410				1440				1410	50	209
12-27					7100					60	20
1-3-61	4100				4300				4200	50	53
1-11					6600					40	27

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 763
Location: Salt Creek of Little River near DeWright, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-16-61					7250					25	22
1-23					8700					40	21
1-30					9500					40	16
2-15			7900					7900		50	15
2-27					6600					25	23
3-6	1800				1800				1800	100	238
3-13				8050			8050			50	19
3-20					5800					35	25
3-27			2700		2700					60	137
4-3	3400				3400				3400	75	214
4-10					3080					30	102
5-5	3150				3150				3150	125	2341
5-15		6600				6600				50	32
5-22			1220				1220			60	489

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 763 — Basin: Arkansas River

Location: Salt Creek of Little River near DeWright, Oklahoma — Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-29-61				5650			5650			35	24
6-5			7000						7000	35	36
6-19				3250		3300				35	47
6-26	6800			6800					6800	40	32
7-3				8000			8000			40	12
7-10				3000		3000				50	18
7-17				2850						20	23
7-24				1120					1120	50	207
7-31					4050					30	13
8-7				9000						25	10
8-14			5400						5400	36	9
8-21				2780				2780		40	37
8-28	5700			5700			5700			60	14
9-5				1820						70	180

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 763 — Basin: **Arkansas River**

Location: **Salt Creek of Little River near DeWright, Oklahoma** — Tributary to: **Canadian River**

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-11-61			5250							45	16
9-18	3500								3500	50	55

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 366
Location: Little River near Tecumseh, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-5-60					1150					20	22
10-12					1300					15	18
10-19				430		360				125	265
10-26				975		975				40	30
11-1							750			60	53
11-7		1000			1000			1000		15	27
11-14				1150		1050				40	29
11-21					950					30	29
11-28				1000		990				25	30
12-5	520		520				520		520	100	155
12-12				440				440		40	268
12-19							900			56	875
12-27								920		50	46
1-3-61	800				800			800		100	80

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 366
Location: Little River near Tecumseh, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-11-61							990			40	45
1-16			1020				1020			50	46
1-23			1000				990			80	43
2-7					900					40	77
2-15		960			960			960		100	42
2-27						880				30	71
3-13			990			980				60	48
3-20					760					70	94
3-27							845			80	104
4-3	770				760				760	80	173
4-10						700				50	204
4-17						950		950		50	69
4-24								990		40	53
5-8	420				400		380		400	150	334

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 366
Location: Little River near Tecumseh, Oklahoma

Basin: Arkansas River
Tributary to: Canadian River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-15-61			950				950			100	41
5-22		259						250		75	1174
5-29	910			910					910	75	43

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 838
Location: South Canadian River at Purcell, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-12-60				1300						20	22
10-19		490		510	500	500	500	500		900	11701
10-26	1060	1080			1050		1050		1050	800	2235
11-2			1180				1190			275	285
11-7			1425			1425				80	157
11-14	1580	1580		1580		1580			1580	150	135
11-21			1400		1450					-	147
11-28			1600				1600			300	121
12-5	960		975		960		970		970	400	493
12-12			1000		1000		1000			100	623
12-19			1650		1650			1650		-	713
12-27		1800			1800			1800		150	1565
1-3-61					1700					150	825
1-11			1740				1740			100	241

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 838
Location: South Canadian River at Purcell, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-16-61	1750			1900		1850			1850	200	491
1-23	1810				1900				1900	200	414
2-2			1900							-	250
2-7			1480			1480				200	256
2-15			1800				1800			300	983
2-27	1810				1810				1810	150	653
3-6	2050				2150				2150	150	308
3-13				2010						60	266
3-20	1410				1470				1460	300	693
3-27		2000			2000			2000		150	899
4-3	1850	1850	1850						1850	400	1644
4-10	1700						1700			175	513
4-17					1850					80	220
5-8		1200			1200				1200	300	1299

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 838 Basin: Arkansas River

Location: South Canadian River at Purcell, Oklahoma Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width Ft	Flow Cfs
5-15-61			1750				1750			-	39
5-22			1030		1030		1030			400	797
5-29	1150				1150				1150	60	35

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 364
Location: Canadian River at Bridgeport, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60					1310					75	167
10-17	1190				1190				1190	200	146
10-24		1260			1260			1260		400	2560
10-31	1250				1350			1350		175	115
11-9	1780				1510				1600	150	149
11-14					1875					40	128
11-21	1890				1890				1890	50	122
12-1	1710				1700				1680	75	107
12-5	1700				1750				1750	100	118
12-12	1550				1550				1550	200	215
12-19	1950		1900		1900		1920		1920	300	215
12-27	2000			2000	2000	2000			2000	300	585
1-3-61			1850				1850			-	216
1-9	1900				1940			1950		250	194

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 364
Location: Canadian River at Bridgeport, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-16-61	2080				2020				2020	100	233
1-25					1700					-	109
2-13		1800		1800			1800		1800	-	1457
2-20		2080						2020	1920	100	74
3-1		2100		2150			2100			150	596
3-6			2050						2050	80	423
3-13	2000				2000				2000	75	285
3-20		1950		1950				1950		50	1142
3-23	2100									-	314
3-27	2200				2200					150	634
4-3	1725		1725		1725		1725	1725	1725	1320	1024
4-10		1260		1260				1700		1500	409
4-17		2050	2050						2100	125	134
4-20					1775					40	84

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 364
Location: Canadian River at Bridgeport, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
5-1-61					1370					40	30
5-8		2000				2000				75	1032
5-15	2250								2250	30	43
5-29	1600								1600	15	24
6-5	1400			1550	1550	1550	1550	1550		500	936
6-21		1520			1540			1540			
6-28	1310				1360		1330		1330	150	21
7-5	1350				1350			1350		60	20
7-10	1450		1450				1450		1450	78	40
7-17	1870			1850		1850		1850	1800	225	307
7-24					1500	1500		1540		40	83
8-2	1040				1040				2040	60	17
8-7	850		850		850		350			120	69
8-15			655		655			660		110	18

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 364
Location: Canadian River at Bridgeport, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micrombos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
8-21-61	820		850		820	870			800	400	487
8-23		1780						1800		70	30
9-5			1030				1070			60	17
9-11		1150		1150		1150	1150			60	14
9-18	2050				2080					185	110
9-25	950		950		950		950		950	175	680
10-2		1810			1800					100	105
10-9					1330					100	396
10-17	1400		1400	1400			1400	1400	1400	180	53
10-25			1300			1300	1300			350	41
10-31		650			640		620		600	400	264
11-6	1200			1200					1200	110	188
11-13			2000			2000			2000	180	404
11-20		2010				2080		2100		350	988

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 364 — Basin: Arkansas River
Location: Canadian River at Bridgeport, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Microshos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-27-61	2200			2200		2200		2200		100	539
12-4		1960		1960		2000			2000	115	258
12-13	2200									-	260
12-18	1800				1800				1800	75	432
12-26	1990							1990		100	184
1-2-62	1900		1900	1900			1900		1900	160	125
1-8	1800		1790			1790			1790	250	128
1-15		2150								-	76
1-22	2300									-	88
1-29	1650				1650				1630	360	484
2-5	2000	2000			2000		2000	2000	2000	150	111
2-12	2000						2000			130	81
2-19	1980						1980		1980	250	69
2-26	1750			1750					1750	50	75

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 364
Location: Canadian River at Bridgeport, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-5-62							1850			90	59
3-12	1950					1900			1900	90	50
3-26	1520			1540				1500		115	44
4-2	1600			1580				1510		135	27
4-9	1900		1900	1900		1900		1900		200	99
4-16	3100							3100		300	259
4-23	1700								1700	75	80
4-30		1900		1900				1950		150	158
5-7		1500						1490		80	39
5-14					1420					30	22
5-21	1300	1300	1300				1300		1300	80	27
5-28	1010							1010		130	45
6-4	900	900	900			900	900		900	160	52
6-18			1300				1300			200	89

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 364
Location: Canadian River at Bridgeport, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-25-62	1450	1450	1450			1450	1450		1450	330	925
7-2	1600								1610	100	49
7-9	1230									60	34
7-16	1060									6	17
7-23		990								40	13
7-30	2600		2600					2600		425	1223
8-7				1700	1800	1750				200	875
8-13		1900			1900				1900	120	121
8-23			1620							15	15
8-27	980									38	16
9-4			780						790	75	190
9-10	700				700				700	95	81
9-17	1000							1000		60	7288
9-24						1250		1280		110	358

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 363
Location: Canadian River near Canadian, Texas

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60	1880						1850			80	282
10-11				1600					1375		206
10-19		1220			1000				1000	2000	10978
10-25				1350			1350			125	469
11-2			1800				1800			70	152
11-8			2250			2320				50	75
11-15				2425		2450				100	71
11-23	2800				2800				2800	100	33
11-29	2600			2580		2600			2580	100	60
12-7	2800				2800				2400		50
12-14	2610				2600				2600	135	358
12-21					2550					75	128
12-29	2400				2400				2400	150	292
1-4-61	2390				2390				2350	100	193

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 363
Location: Canadian River near Canadian, Texas

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-11-61	2400			2400				2400		100	91
1-18	2500						2500			75	47
1-25					2250					15	29
2-1		2300					2300			100	44
2-8								2400			26
2-15		2300					2250			60	60
2-20			2300		2300		2300			200	90
2-27					2000					50	449
3-8		2000						2000		300	279
3-15			2200			2200			2200	250	457
3-21	2300				2250				2250	600	727
3-27	2300			2300					2300	300	749
4-3			2200				2200			200	373
4-10	2330				2330				2380	120	240

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 363 — Basin: Arkansas

Location: Canadian River near Canadian, Texas — Tributary to: Arkansas River

Specific Conductance as Micrombos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-17-61		2730	2730			2730		2730		275	124
5-1			3000				3000			150	139
5-8		2300		2300		2000			1880	200	135
6-5		1950			1820			1550		100 yd.	345
6-12			2300			2300				100	65
7-10	3500			3400		3400	3400		3400		465
7-17		1330					1300			150	770
7-24	1620						1620		1620	150	358
8-21			1360				1360			60	500
9-5		1920							1900	90	8
9-11		1700	1700	1700				1700		100	246
9-18			1700					1710		200	234
9-25	1620		1620		1620		1620		1620	125	463
10-2				1800					1800	90	84

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 363 — Basin: Arkansas

Location: Canadian River near Canadian, Texas — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-9-61			1480	1440					1400	155	154
10-17	780				1850			1850		20	4
11-6	2420		2400		2400				2400	275	90
11-20		2420						2420		75	55
12-4	2390			2390					2390	60	922
12-20	2580		2580			2600	2600	2600	2600	90	373
1-2-62	2450					2450		2450	2450	150	134
1-15								2700		300	70
1-29	2220				2200				2200	200	429
2-12		2550			2550				2600	60	97
2-26								2350		50	41
3-12								3000		60	17
3-26	1480									12	--
4-3	3350	3400		3500	1600	3500		3500	3500	100	--

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 363 Basin: Arkansas

Location: Canadian River near Canadian, Texas Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-18-62	2100		2100						2100	230	440
7-30	1650	1700					1575	1700	1625	800	797
8-23					1690					10	.7
9-10	2600				2600				2600	115	95
9-24			2800				2800			60	28

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 362 — Basin: Arkansas River
Location: Canadian River near Amarillo, Texas — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-5-60	2100							2100		100	64
10-11		2100			2175			2100		150	58
10-19	550				550				550	250	5132
10-25	1200					1250				300	625
11-3			2000				2000			100	86
11-8	2100				2100				2100	75	57
11-15		2500				2500				40	48
11-23	2450				2450				2450	75	44
11-30	2300				2300				2300	30	34
12-6	2400				2400				2400	-	91
12-13		1950				1950				40	385
12-21	1720				1810				1780	-	223
12-28	2100				2100				2100	200	128
1-4-61			2200				2200			-	93

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 362
Location: Canadian River near Amarillo, Texas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-10-61	2300				2300				2300	175	95
1-18	2350						2350			100	61
1-24			2400				2000			-	49
2-1	2200									25	92
2-14			2200				2200			-	46
2-20	2180					2180				75	29
2-28	1275				1275					150	566
3-7			1450							60	245
3-15	1520				1520				1520	75	212
3-21	1370				1370			1370		300	945

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 361
Location: Canadian River at Logan, New Mexico

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60	2500									80	23
10-11		560								-	53
10-19	530									150	806
10-27	2000									60	52
11-3	2800									-	27
11-16		2900								40	22
11-22	3000									-	22
12-20	1580									60	100
1-17-61	1700									100	56
1-24	1600									30	54
2-8	1390									-	89
3-21	1190									60	190

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 283 — Basin: Arkansas

Location: Verdigris River near Inola, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60				810				810		60	211
10-11				900			900			60	82
10-18							700			150	1160
10-25	740				740				740	125	503
11-1				450				450		150	9640
11-8		520			500			500		125	3416
11-15	620				610				620	100	323
11-22				540					600		467
11-29	575				580				580	150	300
12-7	640				650				650	100	1223
12-14			355		358		360			75	9828
12-28		675						675		75	717
1-4-61	800				800				800	125	670
1-9			790				790			75	546

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 283 — Basin: Arkansas

Location: Verdigris River near Inola, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-17-61	850				850				840	150	1090
1-24									970	90	468
1-31	1000								1000	70	295
2-8			980						1000		339
2-13		1040						1040		100	504
2-22		810			810			820		150	4741
2-28		780						780		60	1793
3-8	650				650				650	200	3534
3-14		460						460		60	1318
3-21		725						725		75	4242
3-28			600				600				12260
4-5	535				535				535	175	6800
4-11	660					650				150	5875
4-18				570			560			200	7185

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 283
Location: Verdigris River near Inola, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-25-61			340		340		340				14508
5-2		350			350			360		175	15260
5-10	175		175			175				500	55933
5-16		315			315		315		315	200 yd.	49125
5-23				225		225				250	33363
5-30	340				340		340		340	200	21588
6-6			320				320			120	11553
6-13				465				460		120	7900
6-20		450						445		100	2850
6-27	650				650				650	150	786
7-4			720					720		100	520
7-11		460			470			480		125	1204
7-19			245				240			150	10894
7-25		335			325			330			15371

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 283
Location: Verdigris River near Inola, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
8-2-61			405					405		150	5683
8-9			525					525		100	933
8-16	160		160		160		165		160	300	39025
8-22				580			580			120	1968
8-29		570						570		20	1035
9-7			240			240			240	200	30625
9-13							400			150	12200
9-20	170		170		170		170		170	320	41000
9-26			300			300				150	22188
10-3			290				290			220	18838
10-11	570		570		570		570	570		150	5326
10-18	395			395			395			150	12454
10-26			570				580			140	2837
11-2	375				375		375		375	215	18452

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 283 — Basin: Arkansas

Location: Verdigris River near Inola, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-7-61	200		203		200		200			340	29025
11-15		400				400			395	175	16333
11-21	400				400		400		400	175	14583
11-29		450			450		445			180	11988
12-6		550			545		540			180	7928
12-15	580				580	580			580	175	6455
12-20							460			150	13500
12-27		630			640			640		150	3858
1-6-62	780						775			140	2465
1-10					860			350		150	2109
1-17		800					750			100	1812
1-23							950			125	1660
1-31		480			480	480	480			170	10101
2-7			700					700		110	8670

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 283 — Basin: Arkansas
Location: Verdigris River near Inola, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-14-62	740				740		740			150	2456
2-20		860			860			860		150	3415
2-28			810				810			100	2185
3-6	940				940			940		150	1635
3-13			900						900	110	1355
3-20			890				890			100	1788
3-28	610				610		610		610	180	11087
4-3			700					700		180	2508
4-10			650				650			100	4840
4-17	730				730			730		140	1920
4-25				690				690		150	1647
5-1			780						800	90	2499
5-9	700				700				700	125	673
5-15	900				900				900	150	356

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 283
Location: Verdigris River near Inola, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
5-23-62			1030					1030		130	204
5-29	1050				1050				1050	50	204
6-5			800				800			150	5479
6-13	525						525		525	150	4610
6-17		580			580			575		135	4352
6-27		700						700		100	708
7-4	650				650			650		125	801
7-10			780					780		110	340
7-18		650						650		120	774
7-24		750			750			750		80	290
8-1			800					800		100	273
8-7	1050				1050				1050	120	221
8-15					950		950	950	950	30	114
8-21		940			940			940		100	61

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 283
Location: Verdigris River near Inola, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
8-28-62		1300				1300				80	51
9-6	875				875				875	135	897
9-11			450				440			175	5843
9-18		355			350		350			200	18125
9-25	340				340		340		340	185	14983

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 770
Location: Arkansas River near Haskell, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
7-4-61	2650				2650				2625	800	3358
7-11		1400			1400				1390	450	5880
7-18	750		820		880		1040		1050	500	18433
7-25		1100		1190		1250		1490		1000	17148
8-1	1140		1160		1180	1210		1280		600	7450
8-8		1840		1840			1840			400	4034
8-16	1050	1050	1050	1080	1100		1150	1550	1700	1000	15215
8-22	1640		1650		1880		2000		1910	900	6926
8-25		1750	1800	1800	1800	1900	2100	2350		1000	19713
9-6	1990		2000			2000		2000		600	6705
9-12	1680		1680	1680			1610		1650	1000	8159
9-19	340	340	350	360	375	400	400	410	415	1040	37013
9-26	750		780		845		975		950	850	12650
10-3	600		780		790		790		790	1200	10641

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 770
Location: Arkansas River near Haskell, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-10-61	1600		1600	1600	1600		1600		1600	630	5058
10-18	475		500		545		560		575	1200	20088
10-26		1480	1590		1590				1550	800	6366
11-1	1850		1850	1860	1870	1880	1860	1820	1800	1100	5306
11-7	310	320	335		400		410		415	1500	57883
11-14	1800			1800			1600		1490	1000	9501
11-21	645	710	840	910	980	1000	1010	1100	1110	1110	26796
11-28					2180					1200	9901
12-5	2180					2225			2200	600	7260
12-14	1750	1750	1810	1810	1850	1890	1900	1900	1690	775	9578
12-20	1110			1430			1480			800	12913
12-27	1970		1970		2000			2050	2050	800	8211
1-3-62	3150			3100					2800	750	6876
1-9				2350			2380			600	6908

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 770
Location: Arkansas River near Haskell, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-16-62			2700							700	3685
1-23	2500			2500			2500		2500	250	3169
1-30	2450		2450		2600		2500		2500	800	8305
2-6	1050		1310			1790				1000	15725
2-13	2250		2300		2300		2200		2200	750	7703
2-20	2400		2400		2420		2400		2420	1000	7804
2-28		2600								700	6009
3-6	2550		2550		2550		2550		2550	800	4869
3-13	2800		2800		2700			2650		700	4455
3-20		2700								800	3983
3-27	1400		1425		1500		1600		1625	825	9817
4-3		2050			2050			2000		900	4363
4-10	2775	2800			2775		2775		2600	650	4098
4-17	2250		2250		2250				2250	950	4974

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 770
Location: Arkansas River near Haskell, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micrombos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-24-62	2180		2300		2000		1850		1720	900	7383
5-1	2480		2550			2480			2400	850	4255
5-8	2900		2900		2900				2900	350	3311
5-15	3500		3500			3500			3500	425	2224
5-22	3080		3080		3080				3050	550	1640
5-29	2800				2800				2800	440	1595
6-5	480	480			500			520		800	17388
6-12	1025		1000		950		950		950	1080	43263
6-19	2750		2900	2900	3000		3250		2820	725	7361
6-26	2400			2400			2500			400	4191
7-3	2700		2700		2700		2850		3000	560	6151
7-10		2780			2750			2700		450	8716
7-17	725			755		810			1010	500	8159
7-24	790			790		850	940		940	700	7929

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 770 — Basin: Arkansas

Location: Arkansas River near Haskell, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-31-62	860			900	920		940		960	720	7408
8-7	1800		1800		2000		2200		2350	790	11235
8-16	1850	1850		1850	1850	1900				600	5024
8-21	2250			2250		2250		2250		475	3088
8-28	2350		2350		2350		2350		2350	750	2001
9-5	1200		1175	1090	900	850	725	675	580	760	4762
9-11	690		860		875		850		710	600	6673
9-18	1080	1080	1020		910	800	650	500	480	780	9111
9-25	3100		3650		4350		4700		4850	825	9601

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 259
Location: Arkansas River at Tulsa, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60		1600	1800		2100		2300	2300	2300	1600	4690
10-10		2600		2600		2600		2600		1000	2394
10-17	3100	3200	3200	3200	3200	3400	3300	3300	3300	600	2482
10-25	1210	1250	1350	1500	1600	1690	1700	1720	1750	1250	6366
11-1	725	725	675	700	700	675	700	675	675	1000	16500
11-8	1070	1120	1210	1470	1550	1550	1900	1920	2000	1000	5920
11-15	2200	2380	2600	2800	2980	3000	3020	3100	3000	1500	3645
11-22	2350	2400	2400	2550	2600	2700	2750	2900	2900	1320	3086
11-29	2700	2800	2900	3000	3200	3350	3350	3400	3400	1320	2945
12-7	2700	3000	3000	3300	3400	3600	3800	3800	3800	1400	3634
12-14	1725	1800	1900	1925	1975	2100	2150	2200	2500		4462
12-20	1900	2100	2250		2900		3200				4370
12-29	3400	3500	3700	3800	4400	4400	4400	4400	4400	600	2945
1-4-61	3100	3400	3650	3850	4000	4000	4050	4100	4100	1200	2831

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 259
Location: Arkansas River at Tulsa, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-9-61	3100	3200	3600	3600		3600		3600	3600	1320	2605
1-17	3500	3550	3750	3750	4000	3900	3900	3900	3900	1600	2211
1-24		3600			2800					800	1860
1-31	3600		3850					3700	3700		2572
2-8	2900	3100	3300	3300	3300	3300	3300			600	2499
2-13	3500	3700		3900	4100	4000	4000	4000	4000	1200	2311
2-22	2350	2450	2600	3100	3450	3500	3500	3500	3500	1200	5586
2-28	1900	2050	2050	2700	2850	3000	3000	3000	3100	1400	3791
3-8	1550	1750	2300	2800	3100	3300	3400	3500	3500		4668
3-14	3000	3050	3100	3400	3500	3400	3500	3400	3450	1000	2326
3-21	2150	3000	3100	3420	3500	3500	3500	3550	3600	1400	2788
3-29	1550	1650	1900	2400	3000	3100	3400	3500	3700	1000	6795
4-5	1520	1590	1680	1900	2400	2900	3200	3400	3400	1275	11579
4-12	1820	1900	2100	2650	3000	3400	3500	3600	3900	2000	9965

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 259
Location: Arkansas River at Tulsa, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-18-61	1380	1410	1900	2400	2600	2800	2900	3000	3000	1000	7630
4-25	2150	2250	2350	2450	3000	3000	3050	3200	3200	300yd.	4634
5-2		1850	1775		2300	2400	2500	2500	2650		5266
5-10	375	375	415	440	670	880	1060	1170	1200	1400	127619
5-17	1480	1500	1550		1700	1700	1700	1800	1750	500yd.	11800
5-23	1000	970	930	930	950	1000	1000	1040	1090	2000	29285
5-30	1400	1400	1450	1500	1550	1600	1600	1600	1600	1200	8978
6-6	1100	1020	900	800	750	750		750	775		25367
6-13	1180	1230	1610	2400	2600	2680	2700	2780	2800		10938
6-21	1300	1300	1320	1320	1320	1320	1350	1350	1350	1200	7879

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 258
Location: Cimarron River near Mannford, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60			5700				5700			400	434
10-10			9300				9300				221
10-17			7400		7500		7000			450	761
10-24	3000		3000		3000		3000		3000	450	2080
11-1	2300		2300		2300		2300		2300	500	5963
11-8		3200			3200			3200		200	1021
11-15	6700		6700		6700		6700		6700	300	1323
11-22			6600			6450				200	494
11-29		7600			7600		7600			200	434
12-7	6450		6500				6750		6600	350	692
12-14	4200			4200		4200			4200	125	1025
12-20					7500					100	812
12-29			10200		10200		10200			100	625
1-4-61	9300		9300		9400			9500	9600	400	652

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 258
Location: Cimarron River near Mannford, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-9-61	8100				8000				7900	125	531
1-17	8900		8800		8900				8900	300	475
1-24		9000			8600				8000	250	427
2-1		8300			8300		8500			250	494
2-13	9000		9000		9000		9000		9000	300	489
2-22		7000			7000				7000	250	829
2-28		7600						7600		150	618
3-8		11300			11300			11300		150	482
3-14		9000		9000				9000		200	352
3-21			8150				8150			400	515
3-29	8700				8700				8700	300	1296
3-31		6500								200 yd.	2174
4-5	5500		5500		5500		5500		5500	600	3813
4-12		5700						5800		300	1608

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 258
Location: Cimarron River near Mannford, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-19-61			11200		11200		11200			350	928
4-26			8200			8200				130	549
5-3			8400		8250			8100			414
5-11		2200			2200			2200		400	3968
5-17	3750		3750		3750		3750		3750	100 yd.	825
5-24		1400		1400		1400		1400		300	3321
5-30		2900			2900				2900	300	713
6-6	875		875		875		875		875	575	12525
6-12		4400					4400			200	3610
6-20	1330			1340				1320		250	3078
6-21			1350							200	2063
6-27			4600					4550		175	639
7-4	3700					3700				75	421
7-12	3400				3400					120	557

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 258 — Basin: Arkansas

Location: Cimarron River near Mannford, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
7-19-61	3050		3050				3050			200	1698
7-26		5600			5600			5600		300	795
8-2			12000					12000		150	524
8-9	7100						7100			60	279
8-16		2500	2500		2500			2500		200	520
8-22		4800			4750		4700			200	733
8-30	5000		5000		5000		5000			200	670
9-7			5200					5220		150	621
9-13		700			1080			1380		450	24012
9-20	1250		1240		1260		1250		1240	430	1943
9-27	3390	3400			3400				3400	350	4418
10-4		1550			1550		1550		1550	480	2322
10-11		1260	1200	1190	1200	1200	1190		1260	400	13398
10-19	1330		1320			1320			1300	350	1180

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 258 — Basin: Arkansas
Location: Cimarron River near Mannford, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-26-61			3800			3820			3800	360	699
11-2	1550		1520		1590		1675		1825	490	4979
11-7	1310		1300		1310		1290		1300	550	3893
11-15	5000				3600		3930		4030	300	2689
11-22	2375		2450	2475	2550		2600		2600	225	5370
11-29			4900			4900			4800	300	1163
12-6		5900			5900			5900		325	1069
12-15	5250		5250		5200		5200		5250	225	1000
12-20		5000			5100			5100		300	2485
12-27	7000			7000		7050			7000	500	1229
1-4-62		5800				5800			5800	450	1120
1-10		5900						5900		150	906
1-17	5000						5000		5100	150	900
1-24		5900				5900	5900	5900	5900	190	864

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 258 — Basin: Arkansas
Location: Cimarron River near Mannford, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-31-62	5600		5650		5750		5800	5800		520	1763
2-7	7500		7500		7600			7800		400	1320
2-14	6250	6250	6250			6250	6250	6250	6250	210	816
2-20	5920			5950		5950		6000		400	789
3-1					7400			7600		200	538
3-7	6300				6300			6300	6300	145	709
3-14	6800					6600			7000	300	682
3-21	4200		4300		4300			4425		700	1946
3-28	4400		4450	4450			4450	4450	4450	405	1305
4-3		6500			6500		6500		6500	300	545
4-11	1900		1825		1850		1900		1900	500	3481
4-18	6000	6000	6000			6000		6000	6000	225	902
4-25		3850				3900		3900	3900	295	798
5-1			4250				4400			275	588

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 258
Location: Cimarron River near Mannford, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-9-62	8250		8250			8250		8250	8250	300	404
5-16	8600					8600	8600		8600	370	305
5-23	7800				8000		8000		8000	200	226
5-30	1400				1350		1325		1325	475	3851
6-6	910				910		910			450	2774
6-13	1000				1000		1000		1000	250	6484
6-19	5400				5400		5400		5400	400	1585
6-27	5300			5200			5300		5200	290	970
7-4	2600				2600		2600		2600	500	1596
7-10	1300		1420		1520		1550		1480	550	3134
7-18		8000			8000		7900	8000		350	975
7-25		1500		1500			1500		1500	400	2491
8-1	5400		5200		5100		5100		4950	525	3042
8-8	2200				2200		2200		2200	500	1363

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 258
Location: Cimarron River near Mannford, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
8-15-62			5500	6000	6000		6000		6000	120	439
8-21	7100					7100		7100		150	209
8-29				7600			7500			135	175
9-6	2200		2200			2200		2200	2200	225	776
9-12	2400						2400		2400	275	431
9-19	1480		1480				1490	1490	1490	280	738
9-26	6400				6400		6400		6400	500	2185

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253
Location: Cimarron River near Perkins, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60				10900		11000				100	297
10-10	960				950				940	150	213
10-17		3800			3800			3800		200	671
10-24			3550				3650			150	1134
11-1		1400			1400			1410		350	3203
11-9	7500		7500		7500		7500		7500	250	553
11-14	7000				7000		7000		7000	200	433
11-23	9000		8400		9000		9100		8800	300	379
12-1	7900				8000		8000		8000	230	409
12-7	8500				8500				8500	125	406
12-12	7000		7000		7000		7000		7000	220	649
12-19	15000		15000		15000		15000		15000	225	683
12-27	10900		10900		10900		11000		11000	-	484
1-3-61	12000			12000			12000		11800	400	504

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253
Location: Cimarron River near Perkins, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-9-61	9300		9300		9300		9300		9300	200	435
1-16			9600				9300			120	423
1-23	9800				9800			9700	9700	200	362
2-9		10800		10500		10500		10800		200	459
2-13		9100		9100			9100		9100	200	516
2-20	9450				9450			9500		150	626
2-27	10200		10200		10200		10200		10200	-	516
3-8			950							250	360
3-13			10200					10200		300	316
3-20	8700			8700		8700			8700	150	1811
3-29			8600				8600			300	827
3-31					3600					450	1170
4-6	6800				6850				6800	300	1286
4-12	5200				5000				5000	300	1761

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253 — Basin: Arkansas River

Location: Cimarron River near Perkins, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Microohos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-19-61				8250		8250				200	725
5-3				7250			7250			-	644
5-11		2200			2300			2400		400	3300
5-17			5800		5800		5800		5800	200	682
5-24	2400				2400				2400	300	2013
5-31		8000			8000				8000	200	421
6-6	1200		1200		1250				1300	300	8308
6-12		5450			5500			5550		250	2351
6-20		2400				2400			2400	200	1398
6-28	6100			6200		6200			6200	300	804
7-5	6500				6500				6500	100	298
7-13		7000			7000			7000		-	293
7-18		5100				5100			5100	-	1104
7-25	5000		5000		5000				5000	250	725

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253
Location: Cimarron River near Perkins, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-2-61		7400				7400			7400	200	309
8-3						6850				-	274
8-8	7900				7900				8000	120	217
8-16		3950			3950		3950			200	956
8-23	2210		2200		2190		2190		2190	300	3000
8-30							6100			300	543
9-7		5300			5300		5300			150	383
9-12						3250				250	411
9-20				2820			2900		2900	400	1056
9-26			2320		2330		2320			400	3465
10-4	2400		2400		2400	2400		2400	2400	250	949
10-10	455			460			465		465	400	10363
10-19	2800		2800			2800			2800	300	657
10-27	4900		4800		4800	4800	4800		4800	250	376

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253 — Basin: Arkansas River
Location: Cimarron River near Perkins, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Microohos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-1-61	4750				4780				4780	200	423
11-8	4850			4900				4900		300	2646
11-15	5500		5500		5500		5500		5500	190	1659
11-22	3800		3950		4150		4200		4100	200	2581
11-29	6900			6800			6700			200	980
12-6	6700		6800		6800		6800		6400	175	882
12-15			5500		5600		5500			175	667
12-21	5650						5600		5400	250	1163
12-27	11000		11000		11000		11000		11000	150	884
1-3-62	6850			6900		6900		7000		160	769
1-10							7500			130	725
1-24		7600								225	828
1-31	6800				6800			6800	6800	175	1963
2-5	7000		7000		7000			7000	7000	165	1205

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253 — Basin: Arkansas River

Location: Cimarron River near Perkins, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-14-62	7500			7500				7500		300	664
2-21	7500				7500		7500		7500	150	545
2-26		8550		8700		8800		8800		200	501
3-7								6900		200	502
3-14	9000				9000		9000		9000	190	473
3-20				7550				7600		125	446
3-28	5600			5600			5600			175	558
4-4	10500						10500		10500	165	407
4-9		6900			6900			6900		160	458
4-18	9000		9100		9200		9100		9200	150	616
4-25			6450					6500		150	394
5-2	7600				7600				7600	150	633
5-8		10200					10700			200	339
5-14	8250					8250			8250	130	201

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253
Location: Cimarron River near Perkins, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-23-62	7000				7000				7000	225	137
5-28	2200		2200				2200		2250	185	549
6-4	920		910		900		860		825	230	2988
6-13		1825		1825		1810		1700		350	3598
6-19	5400				5400		5400		5400	190	939
6-25	7200						7200		7240	210	806
7-2		2320			2320		2320			200	1960
7-11	3400				3400				3400	175	869
7-16	7400					7500			7500	160	506
7-25	5600					5600			5600	200	266
7-31			5600				5500			200	3620
8-6			2200			2200		2200		160	1220
8-13	6500					6600			6750	150	376
8-21	7000		7000	6800		7000			7000	150	204

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 258
Location: Cimarron River near Mannford, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-15-62			5500	6000	6000		6000		6000	120	439
8-21	7100					7100		7100		150	209
8-29				7600			7500			135	175
9-6	2200		2200			2200		2200	2200	225	776
9-12	2400						2400		2400	275	431
9-19	1480		1480				1490	1490	1490	280	738
9-26	6400				6400		6400		6400	500	2185

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253
Location: Cimarron River near Perkins, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60				10900		11000				100	297
10-10	960				950				940	150	213
10-17		3800			3800			3800		200	671
10-24			3550				3650			150	1134
11-1		1400			1400			1410		350	3203
11-9	7500		7500		7500		7500		7500	250	553
11-14	7000				7000		7000		7000	200	433
11-23	9000		8400		9000		9100		8800	300	379
12-1	7900				8000		8000		8000	230	409
12-7	8500				8500				8500	125	406
12-12	7000		7000		7000		7000		7000	220	649
12-19	15000		15000		15000		15000		15000	225	683
12-27	10900		10900		10900		11000		11000	-	484
1-3-61	12000			12000			12000		11800	400	504

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253
Location: Cimarron River near Perkins, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-9-61	9300		9300		9300		9300		9300	200	435
1-16			9600				9300			120	423
1-23	9800				9800			9700	9700	200	362
2-9		10800		10500		10500		10800		200	459
2-13		9100		9100			9100		9100	200	516
2-20	9450				9450			9500		150	626
2-27	10200		10200		10200		10200		10200	-	516
3-8			950							250	360
3-13			10200					10200		300	316
3-20	8700			8700		8700			8700	150	1811
3-29			8600				8600			300	827
3-31					3600					450	1170
4-6	6800				6850				6800	300	1286
4-12	5200				5000				5000	300	1761

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253 — Basin: Arkansas River
Location: Cimarron River near Perkins, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
4-19-61				8250		8250				200	725
5-3				7250			7250			-	644
5-11		2200			2300			2400		400	3300
5-17			5800		5800		5800		5800	200	682
5-24	2400				2400				2400	300	2013
5-31		8000			8000				8000	200	421
6-6	1200		1200		1250				1300	300	8308
6-12		5450			5500			5550		250	2351
6-20		2400				2400			2400	200	1398
6-28	6100			6200		6200			6200	300	804
7-5	6500				6500				6500	100	298
7-13		7000			7000			7000		-	293
7-18		5100				5100			5100	-	1104
7-25	5000		5000		5000				5000	250	725

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253
Location: Cimarron River near Perkins, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-2-61		7400				7400			7400	200	309
8-3						6850				-	274
8-8	7900				7900				8000	120	217
8-16		3950			3950		3950			200	956
8-23	2210		2200		2190		2190		2190	300	3000
8-30							6100			300	543
9-7		5300			5300		5300			150	383
9-12						3250				250	411
9-20				2820			2900		2900	400	1056
9-26			2320		2330		2320			400	3465
10-4	2400		2400		2400	2400		2400	2400	250	949
10-10	455			460			465		465	400	10363
10-19	2800		2800			2800			2800	300	657
10-27	4900		4800		4800	4800	4800		4800	250	376

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253
Location: Cimarron River near Perkins, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-1-61	4750				4780				4780	200	423
11-8	4850			4900				4900		300	2646
11-15	5500		5500		5500		5500		5500	190	1659
11-22	3800		3950		4150		4200		4100	200	2581
11-29	6900			6800			6700			200	980
12-6	6700		6800		6800		6800		6400	175	882
12-15			5500		5600		5500			175	667
12-21	5650						5600		5400	250	1163
12-27	11000		11000		11000		11000		11000	150	884
1-3-62	6850			6900		6900		7000		160	769
1-10							7500			130	725
1-24		7600								225	828
1-31	6800				6800			6800	6800	175	1963
2-5	7000		7000		7000			7000	7000	165	1205

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253
Location: Cimarron River near Perkins, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-14-62	7500			7500				7500		300	664
2-21	7500				7500		7500		7500	150	545
2-26		8550		8700		8800		8800		200	501
3-7								6900		200	502
3-14	9000				9000		9000		9000	190	473
3-20				7550				7600		125	446
3-28	5600			5600			5600			175	558
4-4	10500						10500		10500	165	407
4-9		6900			6900			6900		160	458
4-18	9000		9100		9200		9100		9200	150	616
4-25			6450					6500		150	394
5-2	7600				7600				7600	150	633
5-8		10200					10700			200	339
5-14	8250					8250			8250	130	201

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253
Location: Cimarron River near Perkins, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-23-62	7000				7000				7000	225	137
5-28	2200		2200				2200		2250	185	549
6-4	920		910		900		860		825	230	2988
6-13		1825		1825		1810		1700		350	3598
6-19	5400				5400		5400		5400	190	939
6-25	7200						7200		7240	210	806
7-2		2320			2320		2320			200	1960
7-11	3400				3400				3400	175	869
7-16	7400					7500			7500	160	506
7-25	5600					5600			5600	200	266
7-31			5600				5500			200	3620
8-6			2200			2200		2200		160	1220
8-13	6500					6600			6750	150	376
8-21	7000		7000	6800		7000			7000	150	204

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 253 — Basin: Arkansas River
Location: Cimarron River near Perkins, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-28-62	7400				7400				7400	100	146
9-6		920				925		900		400	689
9-10	3200					3200			3150	145	299
9-17	4000					4000			4000	130	242
9-26	6700					6600			6700	300	1220

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 769
Location: Salt Creek of Cimarron River near Okeene, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-5-61					19000					30	6
7-10					17000					20	5
7-18					16500					30	4
7-26					19000					15	3
8-9			19000				19000			20	2
8-16		3050			3050				3050	100	94
8-23				9400						15	23
8-30		16000		11000				10900		30	8
9-7					14900					30	6
9-13	2100		2100	2100		2100		2100		200	1007
9-20	6950				6900				6900	75	34
9-27	6550				6550				6550	25	26
10-4					9050					25	11
10-11	2400			2400					2350	115	187

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 769
Location: Salt Creek of Cimarron River near Okeene, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-19-61	11200		11200						11200	40	19
10-27	12200				12200				12200	40	15
11-2	970				950			950		150	3324
11-8		7900			7900				7900	63	49
11-15		7000			7000			6700		80	184
11-22		9500			9500				7600	50	45
11-29	10800				10800				10800	40	34
12-6			11400						11100	30	29
12-15			14900							100	28
12-21	11000				11000				11000	25	26
12-27					11000					15	25
1-4-62	12000		12000		12000				12000	60	26
1-10	8900									75	39
1-17	13300		13300		13300				13300	40	36

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 769
Location: Salt Creek of Cimarron River near Okeene, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-23-62			14900							50	48
1-31		8900						8750		40	36
2-7	10400	10400			10400				10400	35	26
2-14			10900							25	21
2-21	12000								12000	30	22
3-1	13250		13250						13250	30	17
3-14			13000				12500			30	14
3-21			15750						15750	30	14
3-28		14900					14900			30	14
4-4	11500							11500		30	14
4-11		14250			14250				14250	25	18
4-17			14100				13800			40	29
4-25		13000						13000		30	12
5-1			11000							33	13

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 769 — Basin: Arkansas
Location: Salt Creek of Cimarron River near Okeene, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-9-62			11000				11000			55	9
5-15			9050							8	8
5-23		9600					9600			20	5
5-30		12800					12800			40	5
6-6	3400		3400		3400				3400	50	32
6-12				7800						40	25
6-20			9000		9000				9000	30	8
6-26	12500				12500				12500	30	9
7-4					11500					30	6
7-11					11100					30	5
7-18					23200					20	4
7-24					12500					35	3
8-1	2200			2000			2500		2000	120	780
8-8					9000					20	19

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 769 — Basin: Arkansas
Location: Salt Creek of Cimarron River near Okeene, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
8-16-62	9500				9500				9500	35	5
8-21						9500				10	3
8-29					9100					40	2
9-7			15000			15000				30	6
9-12	17500				17500				17500	20	4
9-19					12000					30	6
9-26					9500					15	7

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 248
Location: Cimarron River near Waynoka, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
10-3-60			38000					38000		100	32
10-12	11000		13800		15000					-	160
10-17					16000					150	115
10-25				16000			16000			100	127
11-2	26000				26000				26000	150	128
11-9		23000						23000		50	49
11-14			27000		27000		27000			100	67
11-21	25000				26000				25000	-	72
12-5			28000		28000		28000			75	96
12-12		39000				40000			40000	175	364
12-19	26500		26000		26000		26000			150	194
12-27	17000				17000				17000	150	197
1-4-61					20000					-	108
1-9	17600				17500				17900	100	121

Continuous recorde. location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 248
Location: Cimarron River near Waynoka, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
1-16-61	20000				20000				20000	100	118
1-23	21000					21000				-	58
1-30		29000				30000		30000		100	68
2-7				15500			15500			-	88
2-13		17750			17750				18000	-	444
2-22	21000					21000			21000	175	304
3-1		14000				14000				150	124
3-6		18500					19500			75	106
3-13	22000				22000				22000	150	95
3-20	10100			10500				10800		400	747
3-28		17000						17000		150	173
4-4				14000						60	343
4-18	16000	16000	16000						4100	100	157
4-25					24500					50	65

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 248
Location: Cimarron River near Waynoka, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-16-61	20000				20000				20000	100	118
1-23	21000					21000				-	58
1-30		29000				30000		30000		100	68
2-7				15500			15500			-	88
2-13		17750			17750				18000	-	444
2-22	21000					21000			21000	175	304
3-1		14000				14000				150	124
3-6		18500					19500			75	106
3-13	22000				22000				22000	150	95
3-20	10100			10500				10800		400	747
3-28		17000						17000		150	173
4-4				14000						60	343
4-18	16000	16000	16000						4100	100	157
4-25					24500					50	65

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 248
Location: Cimarron River near Waynoka, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-2-61	27000				27000				27000	100	50
5-9				13800			14000			200	620
5-16				23000		23000				70	55
5-23	40000					40000			40000	150	127
5-30		30000						30000		30	42
6-5		50000		18800		17000		17000		400	1526
6-13	10400		10700							250	196
6-19		18500			20000			17900		150	235
6-27	2220			2220					2220	60	47
7-4				22500						20	6
7-11	24500			23000					22500	350	618
7-18	10400			10000				10200		200	234
7-25	5600		5600		5500		5600		5700	300	547
8-8	20200			20200		20200			20200	120	18

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 248
Location: Cimarron River near Waynoka, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-15-61			25500			25500		25500		150	173
8-22	6100	6100			6200		6300		6400	450	861
8-29	18000		17500				18500		18000	150	85
9-5		21800						22000		160	88
9-12	19400		19400			19400	19400	19400	19400	170	113
9-19		31000					30500		30000	70	15
9-26	45000	45000	45000			45000	45000		45000	140	80
10-3		35000								55	6
10-10	26000			26000	26000					58	8
10-19	41000					40000	42000		42000	104	10
10-26					37000		37000			100	5
10-31	32500		34000		32000		25600		25600	460	324
11-7	18750		18750		19000		19000		18750	-	137
11-13	24300		24300		24300		24300			112	92

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 248
Location: Cimarron River near Waynoka, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-21-61	18000			18000			18000		18000	250	277
11-27	20500		20500	20500				20500		180	162
12-5	25500				25500				25500	150	125
12-13						28000		35000		-	80
12-19	39000	39000	39000			39000		39000	39000	200	112
12-26		15000			14800			15000		200	248
1-3-62	16000		16000		16000		16000			300	269
1-8		22000					22000			200	245
1-16	42500	42500	42500			42500		42500	42500	120	246
1-22		51000								17	103
1-30	9900	9900		9900		10000			10000	500	611
2-6	18500	18500		18500	18500	18500		18500	18500	263	160
2-13	18000			18200				17900		160	157
2-19		16000		16000			15000		15500	320	197

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 248
Location: Cimarron River near Waynoka, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-28-62								25500		50	49
3-5		24000			23500		23500			230	156
3-13		26000		24000		24000			24000	330	104
3-19		21000			21000				21000	270	111
3-27	32000	32000			32000				32000	270	151
4-2		23000	23000					23000		240	82
4-10		20500			20500				20500	300	176
4-16			2650						2650	80	69
4-24					35000			35000		44	13
4-30	42000		42000			42000			42000	165	126
5-8	37000				37000				39000	62	20
5-14					28500					10	3
5-22			19000						19000	8	3
5-28					16500					12	.8

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 248 — Basin: Arkansas River
Location: Cimarron River near Waynoka, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-5-52	11000		11250		11250		11500		11750	465	1170
6-11	8600		8100	7900	7600		7600		7900	500	1768
6-19	21000				22000				22000	200	238
6-25	7750	8400	9100		9600		9600		8600	530	1680
7-3	14400			14800		14800			14800	165	145
7-9	8250		8250				8500			375	315
7-17					12800					100	119
7-23		25000								18	18
7-31	3900	4600			6250		4700		2700	540	1754
8-7	13000	13000				12000				100	165
8-14	18000	18000	18000				18000	18000		90	28
8-22		26100					26000			15	6
8-28		28000								16	.2
9-6			28500					28500		90	99

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 248
Location: Cimarron River near Waynoka, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-11-62	40000		40000	40000		40000		40000		135	125
9-17	10500	10100	12250		11750		10250		9250	525	11038
9-25		13000		13000	12900		12800		13000	520	1027

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 862
Location: Cimarron River near Buffalo, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60					23000					10	--
10-12					20000					20	.5
10-18	2200				2200				2200	150	276
10-25			2300			2300				80	121
11-2	3600				3700				3700	110	89
11-8		4000						4000		50	61
11-14				4300		4200				30	72
11-22		4200			4200				4200	75	61
11-28	13500				13800				13800	100	69
12-5	4750				4800				4750	100	63
12-12	15000				15000				15000	150	113
12-20	8300		8500		8600		8600		8600	150	98
12-27				4500					4500		37
1-4-61	5150				5150				5150	100	66

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 862
Location: Cimarron River near Buffalo, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-9-61	4000			4000	4000			4050		75	84
1-16	4400		4400			4400				50	88
1-23			6200						6200		68
1-31			9400				9500			21	56
2-7					40000					40	47
2-13			7900				7900				179
2-21			6550			6550				80	96
2-27			3390			3400				80	71
3-6			6500					6600		1000	59
3-14	4200					4200			4200	60	55
3-20		10750				10800				250	448
3-28		5000							5000	100	154
4-3				7400		7400					204
4-10	4120		4040		4100		4100		4100	150	343

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 862 — Basin: Arkansas

Location: Cimarron River near Buffalo, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Microohos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-18-61			6300			6300				100	90
5-2				10000						50	18
5-9			8900				8900			150	34
5-15					11500					15	9
5-23	860			860			850		860	170	15
5-29	6100				6200					40	10
6-5	4800				2350				1700	250	1562
6-12			3100				3100			140	127
6-14					3500					50	112
6-19	2900				2950			3000		140	109
6-26			6100				6100			20	26
7-5					17900					3	.1
7-11			2800				2800			75	112
7-18	1810				1790				1790	200	151

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 862 — Basin: Arkansas

Location: Cimarron River near Buffalo, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Microshos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-25-61	3000		3000		2700		2500		2300	250	275
8-1					5250					60	22
8-8	4700		4700		4700		4700		4700	250	25
8-15				3400				3600		110	269
8-22	10400		9000		8250		6050		3200	330	354
8-29		4900		4800	4700		4600			200	66
9-6	1470				1510			1510		400	99
9-12		3250		3250	3250		3250		3250	350	53
9-19			9300							60	8
9-26	11100		11100		11100		11100		11100	200	8
10-3			10500							15	6
10-10					14100				14100	50	9
10-18	6700				6700		6700		6700	190	16
10-26		6600					6600			30	22

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 862 — Basin: Arkansas

Location: Cimarron River near Buffalo, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-1-61					3770					400	757
11-7	4350		4350	4350	4350		4350		4350	332	105
11-14	4550				4550				4550	100	79
11-21	6000					5990			5990	140	139
11-28	5050		5050		5050		5050		5050	285	122
12-5	5700			5750					6000	60	124
12-14						12000					39
12-20	6400				6400		6600		6900	350	53
12-27	4750						4750			100	64
1-3-62	5800	5800	5800			5700	5700		5700	190	98
1-16		10250									11
1-23		15000									31
1-30	4850		4650		2750				2700	450	280
2-6	4500	4500				4550	4550		4550	85	83

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 862 — Basin: Arkansas
Location: Cimarron River near Buffalo, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-13-62	5600					5750				87	87
2-20	4100							4200		240	110
2-28		10500								200	497
3-13	4580							4620		65	95
3-20	6900	6900	6900			7000		7000	7000	180	84
3-27	3650		3610				3650		3650	215	122
4-3			5600							35	62
4-10	5200			5200					5200	58	92
4-24						6500				15	24
5-1		5900							5900	75	20
5-8			10000				10000			60	12
5-15		18000								5	1
5-22	18000				18000				18000	10	--
5-29	16300									12	--

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 862
Location: Cimarron River near Buffalo, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
6-5-62	6600	6400			6000	5000	4600		4100	300	306
6-12	4800	4600			4000		3600		3000	300	375
6-19	14000	14000			13750			14000		400	137
6-26	4100	3500	3000		2900		2800		2600	315	303
7-3							7100			120	96
7-10	5150				5200		4975			130	177
7-17		7200								30	104
7-24					9100					12	1027
7-31	3000	2500	1600						4000	320	647
8-8	4300	4300		4300						50	78
8-14	10500				10500				10500	35	14
8-22					22000					3	.4
8-28					18000					6	--
9-5	7700				7800				8400	130	36

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 862
Location: Cimarron River near Buffalo, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-11-62	5300				5300		5300		5600	190	66
9-18	2600	2400	2425	1480			1450		1500	432	1042
9-25	6100			6000	5900		5600	5600		300	484

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 773
Location: Cimarron River near Protection, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-8-61	1300		1300		1300		1300		1300	350	1025
6-14	2300		2300		2300				2300	100	112
6-19			1980					1980		150	109
6-26		3000			3000			3000		100	26
7-5					3000					3	0
7-11	1800		1800		1800				1800	125	112
7-18	1680			1680					1700	150	151
7-25		1500			1510				1500	200	275
8-8	2250		2250			2250		2250		60	25
8-15		1900			1900			1900		200	269
8-22			1580		1320		1340			100	354
8-29			2500				2500			75	66
9-6							2900			30	99
9-12		2600		2600			2600	2600		100	53

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 773
Location: Cimarron River near Protection, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-19-61								3050		20	8
9-26	3000		3000		3000		3000		3000	65	8
10-3									3000	20	6
10-10								2950		20	9
10-18	2900				2850				2850	70	16
10-26		3000							2970	100	22
11-1	2000			1980				1980		310	757
11-7	2950				2950				2900	62	105
11-14	2800				2800			2850		60	79
11-21	3100				3000				3000	70	139
11-28	3050				3050				3050	60	122
12-5		2900						2900		60	124
12-14									3500	-	39
12-20	3200					3200		3200	3200	250	53

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 773
Location: Cimarron River near Protection, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
12-27-61				2800					2800	100	64
1-3-62	2850				2850		2850		2850	80	98
1-9								3000		200	54
1-16								3550		75	11
1-23									4300	-	31
1-30	1690				1690				1750	330	280
2-6	3000				3000		3000		3000	50	83
2-13			2900			2900			2900	100	87
2-20		2980						3000		160	110
2-27						3950				30	121
3-6				2420					2400	100	125
3-13			2900			2900			3000	120	96
3-20	3000				3000		3000		3000	110	84
3-27	2700				2750			2750		200	122

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 773
Location: Cimarron River near Protection, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-3-62	4975				4975				5000	125	62
4-10	3700				3700				3700	150	92
4-17	3600								3600	60	46
4-24		3800								55	24
5-1			3750						3750	100	20
5-8					3900					30	12
5-15				3600						4	1
6-5	2750				2750				2750	140	306
6-12	2500				2400			2400		260	375
6-19		3000			3000		3050			200	137
6-26	1750				1750				1750	280	303
7-3		2800					2780		2800	145	96
7-10	2900			2875		2850		2875		200	177
7-24			1010				1040			350	1027

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 773
Location: Cimarron River near Protection, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-31-62		780							800	400	647
8-8	2000	2000		2000						40	78
8-14	2800				2800				2800	45	14
8-22					3350					5	.4
8-28									3100	8	0
9-5		2700			2750				2750	100	36
9-11	1800						1800		1800	85	66
9-18	1100		1100		1100		1100		1100	350	1042
9-25	2020				2000				2000	220	484

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 246
Location: Cimarron River near Mocane, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60		2600			2650				2650	80	52
10-11									2200	100	43
10-18			2600				2600			110	83
10-25		2600			2600				2600	200	49
11-2	2600				2600				2600	-	58
11-8					2400				2400	25	36
11-15			2400				2300			100	54
11-22		2500						2450		-	67
11-29	2200							2200		20	39
12-5			2400				2400			50	51
12-13		2600			2600			2600		60	93
12-20	2600				2580				2500	30	56
12-27	2400				2400				2400	50	42
1-4-61		2300			2300			2300		-	71

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 246
Location: Cimarron River near Mocane, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-9-61		2400			2400				2400	100	137
1-16	2380				2380				2380	200	75
1-23				2300				2200		20	67
1-31			2300					2300		25	118
2-7		2300		2000		2200		2300		125	199
2-14					2200					-	47
2-21				2300		2300			2300	100	68
2-27		2250			2250				2250	-	65
3-6				2250			2250			300	88
3-14	2350				2350				2350	100	75
3-20					2850					60	189
3-27				2420		2420				50	55
4-10	400				2400				2400	90	51
4-17				4350		4350				75	73

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 246
Location: Cimarron River near Mocane, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-24	2400				2500				2400	200	58
5-2					2300			2300		200	40
5-9		2400				2400			2400	150	66
5-15		2400		2400			2400			50	52
5-29	2400						2400			200	42
6-5	2150				2150			2150		250	67
6-12		2000							2000	50	54
6-19	2050							2050		35	39
6-26		2100						2100		80	36
7-5	1875							1900		30	29
7-11								1900		20	40
7-18	1450								1480	80	43
7-25			1600				1570	1550		200	108
8-1		2010		2010				2010		100	58

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 246
Location: Cimarron River near Mocane, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-8-61		2100					2100		2100	100	38
8-15		1700						1690		200	165
8-22		2200				1940				85	120

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 238
Location: Arkansas River at Ralston, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-3-60			1300		1300			1310		300	2304
10-10	2000		2000		2000		2000		2000		1216
10-17		580	630		775		860		870	500	6850
10-24			1350		1375		1350			600	3625
11-1		950		900	350	450		550		700	12791
11-9	1610		1610		1610		1610		1610	400	3300
11-16	1700		1750		1750		1700			350	2280
11-23	2010		2010	2010	2010		2010		2010	500	1960
12-1	2050		2100		2100		2050		2050	500	1926
12-7	2025		2025				2025		2025	200	1763
12-12	1730		1770		1820		1800		1850	500	2599
12-21	1300	1200	1170	1530	1000	1000	1000		950	600	2528
12-29	2050	2050	2050	2050	2100	2100	2100	2100	2100	500	2099
1-5-61	2200	2200	2200	2200	2200	2200	2200	2200	2200	700	1946

Continuous recorder station conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 238
Location: Arkansas River at Ralston, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-9-61	2300	2300	2300	2300	2300	2300	2300	2300	2350	540	1868
1-18	2200		2200		2200			2200		300	1660
2-1	2400		2425		2400		2400		2400	600	1951
2-9	2550		2550		2550		2550		2550	550	1480
2-13	2150		2150		2150			2150		450	1619
2-20		2050		2150			2050		2150	350	2395
2-27	1650	1650	1690	1650	1650	1680	1650	1700	1750	700	2621
3-8		1675		1675			2000			350	2197
3-13			2050		2100			2200		1000	1884
3-20	1820			1820		1900			1920	500	1948
3-29	1180		1180		1300		1650		1700	800	14464
4-5	1400		1420		1470		1670		1670	600	6053
4-12		1160		1160	1480	1480		1500		1000	12200
4-19			1800		1800			1900		500	4543

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 238
Location: Arkansas River at Ralston, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-26-61			1475		1475		1500				5200
5-3	365	375	405		575		590	590			17193
5-11	620		660		750		780		720	1200	28713
5-17	1500	1500	1500	1600	1850	1850	1850		1850	500 yd.	9125
5-24		660		660		660				130	18550
5-30	1575		1575		1575		1575		1575	1500	6061
6-6		1500			1500		1500	1400	1375	1200	6460
6-12	1160		1250		1300		1300		1300	350 yd.	7015
6-20	1590		1680		1850		1920		2000	800	6259
6-28	1890		1890		1920		1920		1920	1000	3500
7-4	2040		2080		2080		2080			600	2450
7-12		1300	1330		1300		1300	1300		600	2510
7-19	1180		1180							500	4019
7-26		245	240		260		280		390	1300	30100

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 238 — Basin: Arkansas

Location: Arkansas River at Ralston, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-2-61		1160		1270			1300		1300	600	4100
8-9			1540			1580		1600		300	2118
8-17	415	440	460	510		515		540		1200	9475
8-22	610	760	820	1600	1900		1900		1750	1000	12967
8-30	1230		1330		1620	1750	1850	1860	1920	1100	5770
9-7	1290		1300							900	5131
9-13	195			190		500			350	750	34879
9-20	700	720	750	850	900	900	900	900	890	1160	7068
9-27	890	900			905		905		905	1400	13443
10-4	1320		1350		1250		1480		1480		5278
10-11	480	490	500	430	390	360	320	305	330	1300	57590
10-19	890		945		1080		1120		1080	750	6795
10-26	1450		1450		1480		1450		1390	700	3500
11-2	260	400	400	800	750	790	705		710	1125	28494

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 238
Location: Arkansas River at Ralston, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-7-61	515		550		710		710	630	580	1200	19475
11-15	1000		1225	1400		1580	1650		1580	600	10544
11-22	720	800	870	1000	1010			1000	1000	670	12350
11-29	1520			1636	1690	1720			1800	750	6615
12-6	1650			1700				1750		600	5165
12-15	1310	1410	1410	1410	1510		1510		1510	450	4723
12-21	1030			1100		1100			1190	600	9294
12-28	1675	1675	1675	1700	1800	1850	1925	1900	1880	625	5006
1-4-62	1850			1850					1850	650	4013
1-10					2080	2080					2500
1-17					2000						2525
1-24			2150	2150	2150				2150	600	1850
1-31	640		640	710	770	825	825		880	1000	23763
2-7	1600			1480		1170			1030	650	7820

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 238
Location: Arkansas River at Ralston, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-14-62	1650		1700		1750		1800		1800	560	4915
2-20	1500	1500		1540		1580	1640		1650	600	5706
3-1	1750		1700		1700				1700	500	3250
3-14	1980		1910			1980			2000	600	3400
3-21	1925		1925		1925				1975	600	2988
3-28	1700	1750			1750		1750		1850	670	3298
4-3	1850		1850		1850			1850		600	2800
4-11		1900	1950		1925		1975		2000	600	2710
4-18	1950	1950			1950				1950	560	2371
4-25	2030		2100		2100			2100		750	2220
5-1	1800			1800				1800		700	3525
5-9	2250		2250		2250				2250	650	2200
5-16	2200		2200			2200			2200	700	1605
5-23		2300		2300		2300			2300	700	1269

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 238 — Basin: Arkansas
Location: Arkansas River at Ralston, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
5-30-62	1850		1850		1850				1850	650	2873
6-6	395		420	825		1125	1300		1300	1200	26000
6-19		2040			2050		2050		2050	800	4530
6-27		1600			1600				1700	600	3675
7-4	1725		1725		1725				1725	650	2383
7-10	200	200	240		480	540	520		520	1000	10564
7-18	440		400		290		340		360	800	10710
7-25	890		890		870		870		870	800	6650
8-1	1320		1410	1420	1480		1500		1500	750	4630
8-8	1300	1400			1775				1850	750	5638
8-15	1600		1600	1650	1650		1600		1600	600	3300
8-22	1710		1710		1710			1710		500	2190
8-29	1160		1200		1160		1150		1150	690	2653
9-6	1300		1300		1400				1450	630	3285

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 238
Location: Arkansas River at Ralston, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-12-62		980		1000		1025		1050		700	3688
9-19	450		425		520		580		580	900	9005
9-26	450	410	550	750	900		900		900	800	9419

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 236 — Basin: Arkansas River

Location: Salt Fork of Arkansas River near Tonkawa, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60		4600			4600			4600		150	234
10-10	5000				5000				5000	150	1333
10-17		2400		2400		2400		2400		175	831
10-26			3400		3400		3400			-	717
10-31			1200		1200	1300	1400			-	2760
11-9	4200			4200			4200		4200	-	463
11-14		4500			4500		4500		4500	-	335
11-21	4300		4350		4400		4600		4600	250	259
11-28	4200				4150				4150	150	210
12-7	4600			4600		4600			4600	100	241
12-12	3900		3700		4100		4100	4000	3600	250	638
12-19	4300				4300				4450	225	514
12-27	4300		4300		4300		4300		4300	-	365
1-3-61			4400		4400	4400			4500	250	323

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 236
Location: Salt Fork of Arkansas River near Tonkawa, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-9-61	4200				4150			4200	4150	300	273
1-16		4200			4200		4200	4200	4200	-	281
1-23	4700				4700		4700		4700	200	255
2-7							4580		4580	200	271
2-15		4300		4300		4300			4300	200	328
2-20	4750				4750				4750	150	371
2-27	4850		4850		4850		4850		4850	200	319
3-6		4800		4800		4800			4850	200	242
3-13			4700		4700			4700		300	136
3-20	4250			4250		4250			4250	250	473
3-29	3000					3000			3000	300	1130
4-12		3600		3600			3600			300	1005
4-19			5100		5100		5100			280	509
4-26		4150				4150				200	458

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 236
Location: Salt Fork of the Arkansas River near Tonkawa, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
5-3-61				3100			3100			200	508
5-10		1850			1870			1880		350	8109
5-17			3800				3800			200	1234
5-24	2700		2800		2300		2300		2300	320	2801
5-31	3900				3900			3900		350	629
6-7				3600			3600			300	1516
6-14		4080			4050		4180			350	839
6-21	4750		4750		4750		4800	4700	4900	250	906
6-28	4550					4550			4550	250	372
7-3	4500					4430			4600	190	304
7-12		4450			4450			4450		150	126
7-18		870				900			875	-	493
7-24	1650		1650			1660				250	653
7-31	4420				4400	4400			4380	300	294

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 236
Location: Salt Fork of the Arkansas River near Tonkawa, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-8-61	5050			5050					5050	60	105
8-16	1340			1340			1340			200	583
8-23	6600				6600		6600		6600	300	3330
8-28		2800			2820		2800		2800	320	2173
9-5		3950		3950			3950			300	554
9-12	3000			3000			3000		3000	200	623
9-19		3610		3610			3630		3610	300	573
9-26		1870			1900		1900		1890	300	666
10-4	4300		4300		4350	4350	4350		4350	300	506
10-10	245		250		290		300		310	500	7044
10-19	4000			4000		4020			3900	300	371
10-27	4450		4450		4450	4500	4450		4450	175	186
11-1	1300			1360			1400		1400	300	1886
11-8	3600			3600			3500		3580	350	1329

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 236 — Basin: Arkansas River

Location: Salt Fork of the Arkansas River near Tonkawa, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
11-14-61	4050		3980		3980		3980		3980	288	723
11-22	3970				4000		4000		4000	240	748
11-28	3810			3820			3810		3810	300	559
12-5	4000		4000		4000		4000		4000	300	479
12-15		3550			3550		3550			300	448
12-21		2810				2810			2810	325	745
12-27	4200		4200		4200	4200	4200		4200	275	554
1-3-62	4000			4050			4050		4050	280	445
1-9	3850						3850			250	404
1-16		3700			3750					-	431
1-30	4150		4150		4150	4200	4400		4550	300	1840
2-5	4900		4950		4950		5000		5000	280	1049
2-13	3900					3900			3900	330	656
2-20	3800				3800		3800		3800	275	577

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 236
Location: Salt Fork of the Arkansas River near Tonkawa, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-26-62	3800			3800			3850		3850	280	405
3-6		4000		4000			4000		4000	400	373
3-7	1900		1900		1900				1900	550	374
3-13	4250				4250		4250		4250	260	500
3-20			3850			3900			3820	250	293
3-27	3400					3400			3400	400	435
4-4	4400				4400		4400		4400	260	277
4-9		4300			4380		4380		4380	260	331
4-17	4600					4600			4600	300	266
4-24	4620						4700			130	212
5-1	4450				4450		4450		4450	290	571
5-8		4980			4980		4980			125	246
5-14	5200			5200			5200		5200	200	138
5-22		5200				5200	5200		5200	260	71

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 236 — Basin: Arkansas River

Location: Salt Fork of the Arkansas near Tonkawa, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-28-62					5550		5550		5550	250	81
6-4	5200		5400		5450		5100		4950	300	771
6-12	3900		3950		4000		4000		4000	400	2170
6-19	4400			4500			4500		4400	300	799
6-26		4100					4150		4150	280	411
7-2		4600				4600			4600	175	216
7-10	2600				2600		2600		2600	275	362
7-17		4700				4700				300	94
7-23		4900				4900			4900	180	65
7-31		5800					5800			300	437
8-4	5100	5100		5150		5100		5100	5000	200	304
8-6		5100		5100		5100		5100		200	919
8-15		4800					4800		4700	280	167
8-29	5200					5200			5200	125	47

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 236
Location: Salt Fork of the Arkansas River near Tonkawa, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-4-62		4800				4800			4800	300	49
9-10		4250			4250				4200	143	51
9-18	4650		4650			4650	4650	4650	4650	195	111
9-24						5400				350	541

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 235
Location: Salt Fork of Arkansas River near Jet, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
10-5-60		5700			5700	5600	5400	5300		300	98
10-10	6300			6200		6400			6500	400	40
10-19					5300					200	631
10-26			5200			5200					472
11-1		4800		4700				4600		300	571
11-7		5200		5300		5100		5000		300	295
11-14	5400				5200					150	207
11-21			5300		5300		5200			400	145
11-30	5400		5400		5400		5400		5400	300	119
12-5	5400				5400				5400	60	149
12-12	5800		5300		5200		5200		5000	200	375
12-19		5500		5500		5500		5600			310
12-27		5400			5400			5400			214
1-3-61		5200			5200			5200		400	219

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 235
Location: Salt Fork of Arkansas River near Jet, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
1-10-61	5150		5050		5050		4900		4900	200	196
1-16	5100				5050				5050		197
1-23	5600			5300			5350		5350	200	145
1-30		6100		6500				6200			108
2-7	5400			5400		5400			5400		177
2-15	6400		6200		6100		6100		6100		239
2-20	5350			5350		5350			5350	300	245
2-27	5200		5200		5200				5200	200	200
3-6		5100			5100			5100		400	195
3-13		5200		5100				5300			161
3-20	4500			4500		4500			4500	200	557
3-28	7200			7200		7200			7400	200	472
4-4	5600			5500				5500			657
4-11		6250			6250			6250		250	584

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 235
Location: Salt Fork of Arkansas River near Jet, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-18-61		6150			6150			6100		275	309
4-25				5700				5600		200	223
5-2		6200			6200			6200		250	216
5-9					4100			4100		300	2870
5-16	4400			4250				4250		200	709
5-23		4150			4150			4200		240	1081
5-30	4650				4500				4500	300	350
6-6		5400		5400				5400		300	792
6-13					5000		5000			300	479
6-20	5000				5000				4950	150	678
6-27				5390				5100		250	247
7-4	5950			5750				5800		250	83
7-11		7800		7700		7700		7600		300	21
7-18	6650			6600						300	80

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 235 — Basin: Arkansas River

Location: Salt Fork of Arkansas River near Jet, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-26-61					5200			5200		300	317
8-2				7000				7100		250	78
8-8		8700	8700	8/00		8700		8700		200	19
8-16	9050			9050				9050		350	449
8-23		4200			4200			4100		300	3461
8-30		3900			3850			3800		300	994
9-7		4375			4220			4200		350	260
9-13	4400		4500		4400		4400		4400	300	550
9-20	5000		4900		4800				4800	300	251
9-27	5100		5150	5100		5100		5090	5100	250	432
10-4		5200			4980			5100		300	341
10-11	5100			5000				5000		400	459
10-19	5380	5300		5180			5200		5100	400	172
10-27	5800			5700				5600		400	98

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 235
Location: Salt Fork of Arkansas River near Jet, Oklahoma

Basin: Arkansas
Tributary to: Arkansas

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-2-61	4250			4225					4300	300	919
11-8	4900		4850	4800	4800		4775		4750	300	639
11-15				4900				4900		300	431
11-22	5200			5100				5100		350	457
11-28	4800			4800	4800		4800		4800	290	319
12-6	4780			4620		4580			4420	250	259
12-15	4200				4900			4600		300	253
12-21	7900		7700	7600	7600		7600		7500	260	316
12-27	4850				4850			4620		300	349
1-4-62	4500		4450	4400	4400		4400		4400	275	279
1-9	4700			4800				4600		300	382
1-17	5700			5600	5650				5800	250	236
1-23	8200		8200			8200		8200		350	182
1-31	6900			6900					6750	325	685

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 235
Location: Salt Fork of Arkansas River near Jet, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
2-7-62	4400			4200			4650		4900	300	434
2-14		4250			4200		4150			200	301
2-21	4300			4300					4200	225	259
2-28	4750			4750					4500	250	179
3-6	4600				4450			4500		150	180
3-14	4900			4800				4580		250	155
3-20	4500			4400					4400	265	109
3-28	4580			4580				4580		300	222
4-3	5200			5200					5200	275	129
4-11	5450		5450		5450				5450	300	190
4-17	5790			5790				5790		200	150
4-25	6000			6000				6000		300	107
5-1	6400		6400			6400			6400	300	348
5-9	6400			6500					6300	250	126

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 235 — Basin: Arkansas River

Location: Salt Fork of Arkansas River near Jet, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Microsmhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-15-62	7200			7400			7400			200	26
5-23	8800			8600					8600	265	30
5-30		8300		8600				8800		200	9
6-6	4400		4400		4400				4400	300	2124
6-12	5350			5350		5350			5600	375	1445
6-20	4200			4200					4225	225	379
6-26	5100			5100					5100	275	239
7-4	5350			5200			5050		4980	300	97
7-11	5200		5250						5200	225	78
7-18					6000					200	41
7-24	6100				6100		6100		5700	300	311
8-1	5800			5800				5800		250	756
8-8	5400		5400	5500		5500		5500		300	387
8-16	6500		6250				6205		6500	240	53

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 235
Location: Salt Fork of Arkansas River near Jet, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-21-62	7400				7200				7100	300	11
8-29					10000					150	6
9-7		9500			9500			9500		100	8
9-12	11000			11250					11800	260	11
9-19	7100				7100				7150	325	183
9-26	6200			6200				6180		250	520

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 232
Location: Medicine Lodge River near Kiowa, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-5-60		1225			1225				1225	75	20
10-11		1310							1310	100	26
10-19				600				600		150	184
11-1	880				880				880	100	101
11-8	980				980		980		980	150	79
11-15	925				925				925	60	75
11-22	935				930				950	100	74
11-30	960								960	100	75
12-6		850					850			75	73
12-13									920	-	96
12-19	1030				1010				1030	75	97
12-28	925				950				950	-	93
1-10-61	950				950				950	150	86
1-17	950								960	65	88

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 232
Location: Medicine Lodge River near Kiowa, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-24-61									830	-	80
1-31	875								860	-	115
2-8		850							850	120	135
2-14	1050				1080				1080	100	122
2-21		950							975	100	105
2-28	930								950	150	91
3-6			950						950	60	93
3-21	1080				1080				1080	150	165
3-28	1090				1090				1090	150	103
4-11	1200				1200				1200	120	163
4-18	1040				1040				1040	120	101
5-2								1000		200	79
5-9			1120					1120		200	89
5-16			1100						1100	-	48

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 232
Location: Medicine Lodge River near Kiowa, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micronhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-23-61	1050				1050				1050	150	109
5-30		1075						1075		70	43
6-6				900			900			200	131
6-13			1000				970			150	41
6-14						670				150	209
6-20		1075							1075	45	38
6-27	1160					1160				40	27
7-4								1300		20	10
7-11									1390	10	7
7-18		1050							1080	100	22
7-25	540				540				540	100	182
8-2			1130						1130	40	28
8-9	1160		1160				1160		1160	100	34
8-15	400				400				400	200	214

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 232
Location: Medicine Lodge River near Kiowa, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-22-61	700				695				700	95	511
8-29		1000			990				990	90	123
9-7	990				990		990		1000	125	81
9-13	890		890		880		880		870	150	96
9-20	960				950				960	85	69
9-26	1050		1060		1080		1090		1080	75	97
10-4		1050						1050		70	56
10-10	990				990				990	85	55
10-18	1080		980			990			960	65	49
10-26	970				950				950	200	48
11-1	780				780				780	100	358
11-7	960				960				960	100	113
11-14	940				940	970			980	90	101
11-21	1000				1000				1000	100	115

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 232 — Basin: Arkansas River

Location: Medicine Lodge River near Kiowa, Kansas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-27-61	1000			1000	1000	1000			1000	200	91
12-5				990					1000	125	92
12-14									1250	100	78
12-21	1000			1000					1000	110	111
12-26			970						970	80	98
1-3-62	1010				1010				1010	100	107
1-8	980				950				1000	100	80
1-16			990						990	110	75
1-22									1140	-	56
1-30	760				750				760	120	392
2-6	1050				1050				1050	110	115
2-13			1060						1040	100	103
2-20	1050				1050				1050	100	98
2-28						1290			1290	75	50

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 232
Location: Medicine Lodge River near Kiowa, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-5-62			960						990	125	108
3-13	1050								1125	120	94
3-20	950				950				950	125	83
3-27	1010				1010				1010	100	100
4-2	1025				1025				1040	100	76
4-10	975				975				975	100	75
4-17				950					950	80	72
4-24	1050								1050	100	70
5-1	950				950				960	115	67
5-8	975								975	120	52
5-22	940				940				940	100	32
5-28		1100			1110				1160	100	18
6-5	740				740				740	125	265
6-11	560				560				560	120	319

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 232
Location: Medicine Lodge River near Kiowa, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-19-62			1025			1025			1025	100	52
6-25	1000				1000				1000	115	38
7-3									1400	120	27
7-9	675				675				680	100	73
7-17									860	70	62
7-23		1200							1200	40	17
7-31	660				660				580	130	61
8-7-62	1100				1125		1125		1080	75	32
8-15	1300						1300		1300	35	10
8-21								1500		25	0
8-28			1240					1240		50	9
9-6		1100		1100			1100		1100	80	53
9-11	825				825		825		825	100	58
9-17								1000		120	33

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 232
Location: Medicine Lodge River near Kiowa, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-25-62	810				800			800	800	100	143

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 772
Location: Salt Fork of Arkansas River near Cherokee, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-7-61	2200				2200				2200	70	64
9-13		1830		1830		1830			1830	70	96
9-20	2150				2130				2130	75	47
9-27	1840		1840		1850	1850		1850	1850	75	109
10-4	2300				2300				2300	100	36
10-11		2100			2100				2000	50	28
10-19				2190					2150	60	20
10-27			2200			2200				120	18
11-2		1690			1690				1690	200	206
11-8	2250				2300				2250	60	78
11-15				2200						80	83
11-21	2200				2180				2190	100	92
11-28	2400		2400		2400		2400		2400	120	66
12-5			2390				2390			80	70

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 772
Location: Salt Fork of Arkansas River near Cherokee, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
12-14-61									2380	170	52
12-21							2400			100	72
12-26				2100					2180	80	74
1-4-62	2175				2175				2175	100	88
1-8	2010							2080		130	101
1-16						2250				200	95
1-22							2500			-	71
1-30	1500						1500			300	216
2-7	2250				2250				2250	140	97
2-13		2250				2300				100	84
2-20	2300					2300			2300	200	64
2-28						2450				100	62
3-5			2550					2550		110	82
3-13	2390							2390		180	62

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 772
Location: Salt Fork of Arkansas River near Cherokee, Oklahoma

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-20-62	2350						2350		2350	110	51
3-28		2400			2400			2400		120	56
4-2	2400				2400			2400		200	38
4-11	2200				2200			2200	2200	100	61
4-17	2380							2380		60	43
4-24		2400							2400	40	29
5-1	2450				2450			2450		100	78
5-8							2400			50	30
5-14					2380					20	47
5-22	2250						2250		2250	40	10
5-30							2250			45	5
6-6	1075				1075			1075		115	256
6-12			1100						1100	120	238
6-19	2000			2000				2000		100	46

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 772 — Basin: Arkansas River
Location: Salt Fork of Arkansas River near Cherokee, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-25-62	2100						2100		2100	85	81
7-4					2100					35	17
7-9			2100				2100			125	40
7-18						1960				20	10
7-23									2200	8	5
7-31	480				400			370		250	447
8-8						1720		1700	1700	50	60
8-16	1900				1900				1900	80	13
8-21					1910					25	4
8-28				2000						50	2
9-7			2000			2000				40	.5
9-12	2000				2000				2000	60	27
9-17									1800	30	374
9-26					1390			1390		100	147

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 764 — Basin: Arkansas

Location: Salt Fork of Arkansas River near Winchester, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-5-60					2580					20	2
10-11	2400				2450				2400	100	87
10-19			1250		1250		1250			100	110
10-25			1400				1375			600	52
11-2		2200			2200		2200		2200	150	37
11-8		2500				2500			2500		30
11-15		2200						2200		30	28
11-21	2350				2400				2080	20	22
11-30		2400			2400				2400	100	25
12-6		2000							1900	30	26
12-13	1850		1950		1950		1950		2050	150	63
12-19	2350		2350						2400		46
12-27	2050		2200						2150		34
1-4-61					2200					60	23

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 764
Location: Salt Fork of Arkansas River near Winchester, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-10-61	2400		2400		2400				2400	200	24
1-17	2275		2275						2275		24
1-24			2400							100	13
1-30			2550								46
2-28			2300							30	32
2-14	1930			1930				1930		125	85
2-21		2080									69
2-27	2350				2350				2350	150	42
3-6	2350							2350		35	43
3-14	2400									80	32
3-21		2100		2100		2100		2100		200	131
3-28	2400			2400					2400	150	71
4-3			2175				2175				84
4-11	2050			2050				2050		250	138

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 764 — Basin: Arkansas

Location: Salt Fork of Arkansas River near Winchester, Oklahoma — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-18-61		2550			2550			2550		100	60
4-25					2750					30	36
5-2	2600				2600				2600	80	28
5-9	2200				2350				2350	100	77
5-23	2600				2600				2600	200	61
5-30					2750					15	10
6-6			1680					1600		150	146
6-13		2650						2650		80	20
6-19					2600					50	26
6-27					2600					20	6
7-4		2550								3	2
7-12					2550					10	1
7-18		2600								3	.5
7-25		960			990				980	68	41

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 764
Location: Salt Fork of Arkansas River near Winchester, Oklahoma

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-9-61		2400						2400		7	--
8-15		950			950			950		100	139
8-22	1300	1430	1450		1500		1300		1320	300	303
8-29	2810			2800					2800	100	22
9-6		2950			2980					30	18

Continuous recorder location, conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 229
Location: Walnut River at Winfield, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60		560			555			550		100	101
10-12	1300				1300				1300	150	77
10-18		1700			1700			1700		100	215
10-24			1000			1000				200	137
10-31			225				220			150	6772
11-15	1150				1150				1150	75	196
11-22	1550				1580				1590	100	157
11-29	1600				1600				1600	150	168
12-7	1650								1650	75	182
12-14	600				595				600	200	673
12-20	830				800				800		275
12-28	1290				1260				1260		201
1-5-61		1500			1500			1500			171
1-11	1680				1680				1680	100	164

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 229
Location: Walnut River at Winfield, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-18-61				1725		1725					157
1-25					1850						87
2-1	1800								1800		137
2-8	1750				1750				1750	200	143
2-13		1850				1800				100	171
2-22		565						565		80	428
3-1	860								860	150	230
3-7	1340						1340			70	189
3-14			1500			1500				75	265
3-22	790				790				790	225	2559
3-29		275					275			200	9866
4-12	365		365		365				365		2590
4-19	920				920				940		556
5-10			725					730		175	2655

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 229
Location: Walnut River at Winfield, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-17-61	1220				1220				1220	200	744
5-24	290		290				290		290	160	7262
5-31		1020					1020			100	553
6-14		710			700			660		150	2441
6-20	800				800				800	200	365
6-28					1150					175	239
7-3	1290				1290				1290	150	168
7-12			825		825			840		170	147
7-18				1600					1600	175	192
7-25		180			180			180		230	21625
8-2	1290			1250			1220		1290	150	333
8-8					1340			1340		140	216
8-15				635			635			100	1039
8-23	250				250				250	300	10758

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 229
Location: Walnut River at Winfield, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
9-6-61		1020				1030				150	1346
9-12				760					760	100	429
9-19					910				910	150	1123
9-26		560			560			570		180	3171
10-3	820		820	820		820	840		850	140	778
10-10	185				190			195		200	16198
10-18		900			890			875		120	1268
10-26		1220		1225	1220		1220		1220	150	589
11-1	1125				1140				1125	150	4727
11-7	775					785		775		200	1927
11-14	940		940		940		940		920	200	4221
11-21	725				700				700	140	1549
11-28	1110				1110				1110	125	903
12-5	1280		1280		1280			1280		125	729

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 229
Location: Walnut River at Winfield, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
12-14-61		1270			1260		1260				581
12-20	950				940				950	175	1261
12-27	1175			1175	1175				1175	155	799
1-3-62	1080			1090		1090		1060		150	573
1-9	1210				1210				1210	140	576
1-16					1300						521
1-23		1390						1440		150	459
1-30	400				400				400	200	7681
2-5	520				520				520	135	2130
2-13		1080			1080			1080		150	765
2-20	780				780				780	125	921
2-26	1120				1120				1120	150	653
3-6	1300				1300				1300	150	510
3-13	1300				1300				1300	125	459

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 229
Location: Walnut River at Winfield, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
3-20-62					1310				1310	120	393
3-27					850					100	1490
4-3	990				990				990	140	399
4-9	1170				1170				1170	140	371
4-17	1290				1290				1290	200	344
4-24	1310				1320				1310	130	331
5-1	1275				1275				1275	125	321
5-8					1110					90	194
5-14	1360				1360				1360	130	158
5-22		1450			1450			1450		140	135
5-28				1450			1450			200	268
6-4	450				460			460		200	6520
6-12	625				625				625	200	387
6-19	860				860				860	130	162

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 229
Location: Walnut River at Winfield, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-25-62	1000				1000				980	120	310
7-2		670		670				680		150	141
7-10	460				460				460	150	1687
7-16	400			400				400		130	1530
7-24	700				700				700	200	283
7-30					1210					100	168
8-6			1090			1090		1090		140	131
8-13	1200				1200				1200	140	81
8-21	1400		1400		1400		1400		1380	75	63
8-28	1500				1500				1500	120	85
9-5	900				900				900	300	1917
9-10	700			710					700	125	733
9-18	310				310				310	125	1049
9-25	330				340				330	300	1581

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 227
Location: Arkansas River at Arkansas City, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60			1625		1700		1700			200	1073
10-12	2550		2600		2610		2620		2710	450	574
10-17	830		830	810		780	760	750		200	3200
10-24			1300		1350		1400			100	1872
10-31	480		450		420		350		310	350	8738
11-9	1610		1610		1680					-	1203
11-16	1700		1750		1750		1700		1700	200	1020
11-23	1950	1950	1925	1925	1925	1950	1975	2000	2000	500	819
11-29	1860		1860		1860		1900		2000	500	969
12-14	1210		1210		1210		1210		1210	400	1780
12-20	1800	1800	1800	1800	1800	1800	1800	1800	1800	-	1276
12-28	2050	2050	2050	2050	2050	2050	2100	2150	2150	-	1188
1-3-61	2150	2150	2200	2200	2150	2200	2200	2200	2200		1010
1-11	2100		2100		2100		2100		2100	300	995

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 227
Location: Arkansas River at Arkansas City, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-18-61	2000			2100					2100		1008
2-1		2050	2100	2150	2150	2150	2175	2200			1130
2-8		2350				2350			2350	300	774
2-13	1675	1700	1725	1750	1750	1775	1775	1800	1800	300	1199
2-22	1350		1350		1350				1350	300	1515
3-1	1850		1900	1900			1900		1950	300	1028
3-7	2000	2000	2000	2010	2020	2020	2050	2100	2100	400	899
3-14	2000			2100					2150	600	846
3-22			1110			1110	1100		1100	300	2600
3-29	1150	1140	1100	1000	1000	950	920	920	900	600	3115
3-31				1350						600	1914
4-5	1700		1660		1660		1690		1700	400	1415
4-12	950	950	940	940	950	950	950	930	940	500	3479
4-19	1850		1850	1880			1950		1950	300	1177

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 227
Location: Arkansas River at Arkansas City, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-26-61	1850				1850				1900	350	1041
5-3	1240		1240			1240			1260	400	2568
5-10	630	630	630	630	640	650	650	660	660	400	8661
5-17	1750			1750		1750			1750		1388
5-24		1520		1500		1520	1580		1600	600	1408
5-31	1950			1950		1950			1950	400	779
6-7	1480			1500		1520			1500	400	1111
6-14		1110		1210	1260		1160		1090	400	3198
6-20		925		960		960		975		350	3263
6-28		1750		1750	1750	1750		1750		750	1346
7-3	1980		1950		1950		1950		2000	450	1135
7-12			2250		2300		2300	2000			755
7-18	1750		1750		1750		1800		1820	350	1026
7-25	405		405	380			390		385	500	10030

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 227
Location: Arkansas River at Arkansas C. y, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-2-61	1520			1490		1490		1500		450	1223
8-8	1560			1580			1590		1610	320	1686
8-15	500		500		450		450		445	450	4818
8-23	540	530	520	520	530	530	530	530	530	680	5243
8-30					1130					500	1928
9-6		1640		1640		1650		1640		400	1384
9-12	1590		1610		1600		1600			350	1172
9-19	580		600		610		660		670	450	3565
9-26	520		535		535		550		555	400	4926
10-4	1500		1500		1500		1550		1550	375	1346
10-10	365		380	375	380		305		270	450	11838
10-18		1690		1510			1700		1530	300	1368
10-26	2050		2050		2050		2070		2070	340	1008
11-1	820		790	740	700		580		530	450	7535

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 227
Location: Arkansas River at Arkansas City, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-7-61	1000		1000			1050			1090	650	2661
11-14	1360		1350		1390		1400		1460	325	1683
11-21	1020			1050		1070			1120	450	3363
11-28	1890		1800	1890	1910		1950		1940	400	2218
12-5	1850		1860	1860	1900		1950		1930	325	2050
12-14		2400		2400				2450		350	1063
12-20	1450		1410		1490		1500		1500	400	1649
12-27	1650	1650	1650	1650	1700	1730	1750	1710	1610	400	1600
1-3-62	2010		2040		2040		2040		2040	400	1444
1-9			1900						2175	350	1161
1-16			2250							-	1251
1-30	430		425	425	415		400		400	450	10378
2-5	1240		1250		1250		1250		1280	390	3030
2-13	1800		1800		1800				1900	350	1849

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 227
Location: Arkansas River at Arkansas City, Kansas

Basin: Arkansas
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
2-20-62	1950		2000		2000		2000		2000	425	1823
2-26	2000		2000		2000		1950		1850	450	1571
3-6	2000				2000				2000	500	1706
3-13	2000		2000		2000				2000	425	1369
3-20	2150			2200			2200			400	1345
3-27	2150				2150				2150	550	1379
4-4	2300		2300		2300				2350	425	1340
4-9	2070	2100	2150		2150		2150		2150	420	1364
4-17	2000			2000					2025	500	1210
4-24	1500		1520			1520		1610		400	1529
5-1	1800		1800		1825				1850	400	1190
5-8		2050			2050		2080		2100	300	902
5-14	2120		2200		2200		2200		2300	400	704
5-22	2225			2225		2225		2250		450	631

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 227
Location: Arkansas River at Arkansas City, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-28-62	710		720		760		840		900	430	2340
6-4	235		240		255		280		300	500	23506
6-12	1175		.200		1190		1200		1225	530	2540
6-19		1550			1550				1600	340	1603
6-25	1600		1650		1650		1650		1700	360	1424
7-2	1750			1750		1750		1750		450	1401
7-10	580		550		550		500		410	440	4906
7-16	460		410		400		390		390	600	9026
7-24	420			420		420			420	600	8558
7-30	1100		1100		1100		1100			800	3133
8-6		530			530			530		240	5013
8-13	1040		1070		1080		1090		1100	360	2395
8-21	1480	1550	1550		1600				1600	350	1063
8-28		1150			1150				1150	325	1834

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PMS Station No. 227
Location: Arkansas River at Arkansas City, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-5-62		960			930		900		875	540	2920
9-10	910		940		990		1010		1040	380	2865
9-18	650		650		650				660	200	2591
9-25	490			490					500	600	6010

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 224
Location: Little Arkansas River at Valley Center, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-6-61	670				650				690	50	152
6-15	510		500			500			490	150	521
6-20	900								900	50	120
6-27		800								20	67
7-3			815							20	70
7-12					820					20	52
7-18				895				895		30	49
7-25	345				350		340			125	442
8-7				900						25	79
8-15			810				810			15	72
8-22	620		620		620				620	40	112
8-29		1100								35	55
9-6			850				850			20	48
9-12	655					655			650	30	83

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 224
Location: Little Arkansas River at Valley Center, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
9-19-61					565					25	136
9-26			670				670			85	200
10-3	750		750		750		750		750	40	95
10-10			105				105			100	917
10-18	640			640		640			640	78	114
10-26		810		810		810			810	70	74
11-1	730					740			740	80	351
11-7		450			455		460			100	211
11-14	750				750				750	88	105
11-21	495			510		515			515	90	224
11-28				880						40	105
12-5		1100	1100		1100				1100	30	94
12-14					1200					20	78
12-20					1140					45	84

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 224
Location: Little Arkansas River at Valley Center, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
12-27-61	1120		1120		1120				1120	40	106
1-3-62				1170						35	111
1-9			1190						1190	25	97
1-16						1080				60	79
1-23							1000			50	63
1-30	160				160		160		160	225	3873
2-6	640					640			640	81	205
2-13			975				980			120	126
2-20	1300	1300		1300			1300	1300	1300	80	128
2-27			1160				1160			25	78
3-6		1325					1325			100	75
3-13	1300		1300			1300	1300		1300	60	77
3-20			1300				1300			25	73
3-27		1350					1350			60	112

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 224 — Basin: Arkansas River

Location: Little Arkansas River at Valley Center, Kansas — Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
4-3-62			1500			1500		1500	1500	40	74
4-9	1110					1110			1110	55	65
4-17		1400					1400			60	66
4-24			1400				1400			30	85
5-1	1050		1050		1050		1050		1050	40	65
5-8								1220		15	53
5-15		1420					1420			50	39
5-22		1050					1070			50	52
5-29	120			120			120		120	300	7223
6-5	128		130		130		130		130	300	6871
6-12	580					590			580	150	403
6-19	860					860			860	100	182
6-25	600				600		610		610	110	273
7-3	1550		1550			1550		1550		68	129

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 224
Location: Little Arkansas River at Valley Center, Kansas

Basin: Arkansas River
Tributary to:

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
7-10-62	850				850				850	55	114
7-17	200				200		200		200	270	2167
7-24	540		540				540			90	325
7-30					710					60	169
8-6		725				725		725		75	110
8-14		1160					1160			50	58
8-21	900				900		900		900	20	38
8-28	540				540				540	95	152
9-5	390					400				120	218
9-11			345				345			125	245
9-17		490			490		490		490	65	93
9-25	1500					1500			1500	120	393

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 760
Location: Arkansas River near Hutchinson, Kansas

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60		2900		2900		2900			2900	300	174
10-11	3400				3300				3200	200	171
10-18		2600			2600			2600		200	195
10-25		2250			2250			2200		600	218
10-31	2700		2400		2200		2000		1850	200	284
11-8	3000			2900		2700		2600		275	227
11-15	2300				2300				2300	150	259
11-22	2600			2600		2580			2580	275	246
11-29	2600		2550		2550		2500		2500	300	244
12-6			2450						2500	150	254
12-13	2500		2500		2400		2400		2550	200	279
12-20		3000			3000			3000		225	288
1-4-61		3300	3300		3300		3300	3250		400	288
1-10	2950	2950	2950			2850	2800		2800	300	295

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 760
Location: Arkansas River near Hutchinson, Kansas

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-17-61		2800		2800		2800		2800		300	291
2-8	2550			2550		2400			2400	300	270
2-14		2700			2700			2650		400	346
2-28	2550		2550		2550		2550		2550	350	347
3-7		2650			2650				2650	300	349
3-14	2850				2800			2600			293
3-21	2400			2400		2400			2400	300	381
3-29	3300		3300		3200		3100		3050	300	367
4-4	2900				2900				2900	200	327
4-12		2500			2500				2500	350	631
4-19	2500		2500		3100				3000	460	404
4-25	2800				2700				2650	300	372
5-3	2450		2400		2200		2200		2200	250	395
5-10	1350								1310	350	1485

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 760
Location: Arkansas River near Hutchinson, Kansas

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-16-61	2200		2200			2200			2200	300	628
5-23	2400		2400		2350				2350	400	555
5-30		2400			2400				2400	250	375
6-6		1360			1400				1420		569
6-14	1550		1370		1260		1140		1040	400	936
6-15		1630	1420		1340		1280	1240		450	903
6-20	1140				1110				1100	250	1245
6-27	1690		1650		1630		1630		1630	360	488
7-4	2200			2150		2130			2100	300	328
7-12	2500				2400				2420	250	228
7-18	1710		1690		1390		1190		1140	360	593
7-23	1000				910				930	325	1439
8-7	670		725		760		800		905	360	1338
8-11	2900		2900				2500		2320	300	407

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 760 — Basin: Arkansas
Location: Arkansas River near Hutchinson, Kansas — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-15-61	1800		1720		1650		1640		1590	350	437
8-22	690	680	670	640	600	600	600	570	570	350	2263
8-29	1250		1200		1180		1160		1150	330	1043
9-6	1210		1200		1210		1200		1200	300	662
9-12		1710		1700		1700			1700	300	496
9-19	455			420		395			390	300	2702
9-26	1360		1320		1320		1320		1275	325	647
10-3	1950	1950	1950		1950	1950	1900	1900	1900	240	356
10-10	2100							2000		245	306
10-18	2400			2400				2300		220	236
10-26	2700	2700	2700			2620	2600	2580	2500	200	231
11-1	2210				2000				1700	200	444
11-7		2600			2400			2400		290	373
11-14	2500		2520		2450		2400		2400	105	314

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 760
Location: Arkansas River near Hutchinson, Kansas

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-21-61	2500				2400				2400	200	500
11-28	2580				2380				2250	250	493
12-5	3000		3200		3180		3180		3180	200	459
12-14			3450							200	200
12-20								3000		200	269
12-27	3500		2000	1850	2200		2600	2600	2575	250	422
1-3-62	2780		2780		2800			2800		250	561
1-9								2900		170	254
1-16	3100							3000			161
1-29	1000		1000		1110		1120	1125	1125	375	2312
2-6	2300		2250		2250		2300		2350	270	791
2-13	2800		2800		2800		2775		2800	300	571
2-20	3100				3000			3000		240	514
2-27			3100				3100			85	273

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 760 — Basin: Arkansas
Location: Arkansas River near Hutchinson, Kansas — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-6-62	1200			1800		2200		2500		270	509
3-13	2800				2800				2800	250	382
3-20			3100			3050			3000	200	449
3-27	3100		3100		3100		3150		3150	300	424
4-3	3000				2900			2900		250	406
4-10	2400				2400		2400		2420	255	404
4-17	2500		2500		2500		2500		2500	270	371
4-24			1950			1790			1710	280	501
5-1	2600				2600			2600		150	396
5-8			2650			2450			2400	300	378
5-15	2750		2750		2700		2600		2550	270	324
5-22		2950	2900		2800		2700		2600	300	263
5-29	3100		3100		2900	2300	1780	810	330	300	515
6-5	2180		2060		1820		1480		1380	300	679

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 760
Location: Arkansas River near Hutchinson, Kansas

Basin: Arkansas
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-12-62	2500		2500		2500		2400		2400	330	707
6-19	2350				2350		2200	2200		275	538
6-26	2550		2550		2500		2480		2420	300	489
7-3	1500		1480		1550			1550		130	665
7-10	350		350		350		350		350	400	3714
7-17	680		680		620		600		600	400	2837
7-24	1100		1150		1225		1275		1400	325	1642
7-30	730				650				650	250	1963
8-7	480		480		440		420		420	240	4126
8-14	1310		1300		1300		1300		1300	300	862
8-21	1800		1800		1700	1750		1750	1750	200	480
8-28	610		625		625		650	650		275	1408
9-5	1310		1150		910		775	700	660	425	1176
9-11	1750		1810		1810		1770		1760	300	552

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 760 — Basin: Arkansas
Location: Arkansas River near Hutchinson, Kansas — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-18-62	1350				1275				1300	275	644
9-25	910		875		825		800		790	325	1404

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 767
Location: **Rattlesnake Creek near Raymond, Kansas**

Basin: **Arkansas River**
Tributary to: **Arkansas River**

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
10-4-60			4700		4700		4700			50	28
10-11					6600					40	10
10-18					4700					40	21
10-25				3000		3000				50	60
11-1	3300		3300				3300		3300	70	63
11-8	3300			3300		3200			3300	75	62
11-15			3800				3800			50	45
11-22			3500		3450		3450			80	49
11-29	2900				2900				2900	75	39
12-6	4400				4400				4400	50	42
12-13	5800				5800				5800	100	36
12-20				5600		5600				75	74
12-28			4800			5000	5000			-	77
1-4-61		5200			5200			5200		50	64

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 767
Location: Rattlesnake Creek near Raymond, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
1-10-61	4450				4450				4450	100	60
1-17			4600				4600			-	57
2-14	5500				5500				5500	70	94
2-21			4500				4500			70	84
2-28	4350				4350		4350		4350	75	76
3-7			4000			4000				60	68
3-14					4200					50	63
3-21	4100				4100				4100	75	112
3-28	5300				5300				5300	50	90
4-4					4800					30	74
4-11				4450			4450			60	101
4-19	4760				4760				4760	75	81
4-25					4800					25	51
5-3						3400				600	75

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 767
Location: Rattlesnake Creek near Raymond, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-9-61			3650			3650				80	220
5-23	4500				4500				4500	50	52
5-30							4240			25	39
6-6				5500			5500			40	33
6-15					6500					25	49
6-19				4800			4800			50	77
6-20		4200						4200		60	65
6-27			3600				3600			20	38
7-4			4800				4800			-	24
7-12		5200					5200			50	18
7-17			4800				4800			40	19
7-24					3550			3550		80	166
8-1		2300			2320					80	100
8-7				4000				4000		45	104

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 767
Location: Rattlesnake Creek near Raymond, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-14-61				4200				4150		50	54
8-22	1690				1690				1690	90	319
8-29			1900					1950		50	164
9-5				2600			2600			50	54
9-11	2810				2810				2810	50	51
9-18			3000						3000	40	50
9-25		3350						3350		60	32
10-2	3200		3200		3200		3200		3200	35	38
10-9			4080				4080			30	23
10-17	4000				3850			3800		60	20
10-25		3300			3260			3300		50	38
10-31			4000					4000		40	39
11-6			3810				3810			60	95
11-13	4100		4075		4050			4025	4025	50	61

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 767
Location: Rattlesnake Creek near Raymond, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-20-61		4700						4700		60	158
11-27	4600				4600			4600		60	94
12-4	4000				3975				3950	58	97
12-19							4000			50	57
12-26	4700					4700			4700	75	108
1-2-62			4100			4100		4100		60	97
1-8	4550					4550			4550	75	68
1-15		3900			3900					60	81
1-22					4000					40	46
1-29	3700			3700		3700			3700	75	149
2-6	3650				3700		3750			55	129
2-12	3900							4000		60	98
2-19	4650				4650			4650		50	101
2-27									3200	-	46

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 767
Location: Rattlesnake Creek near Raymond, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-5-62		3700						3700		55	69
3-6		12000								25	83
3-12	3550				3550			3550		65	69
3-19			3820					3820		50	71
3-26			4400					4500		60	69
4-3	3700				3700			3700		50	72
4-10		3700						3700		60	65
4-16		3390						3390		40	62
4-23			4700						4700	40	48
4-30	4500				4500			4500		60	50
5-4			4000						4000	40	53
5-15				3750				3750		60	39
5-21			5200					5200		25	15
5-29			5500					5500		60	20

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 767
Location: Rattlesnake Creek near Raymond, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width,Ft	Flow Cfs
6-5-62		3900						3900		60	76
6-11		3300					3480			70	157
6-18	3800				3800		3800		3800	70	86
6-26		4200						4200		60	71
7-3			4700				4700			50	61
7-9	3500				3500		3500		3500	55	68
7-17			4300				4300			60	65
7-23			4200				4200			50	53
7-31							3600			40	52
8-7			2410					2410		40	67
8-14		2900						2900		60	32
8-20	3300			3300			3300		3300	30	25
8-29	2800				2800				2800	50	27
9-4	2600						2700			60	56

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 767
Location: Rattlesnake Creek near Raymond, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-11-62				2850			3000			65	61
9-18	2450				2450		2450			60	43
9-24			2100				2100			100	107

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 220
Location: Arkansas River near Great Bend, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
10-4-60			1325	1325			1325			50	18
10-11		1500			1500				1500	75	12
10-18			1225				1225			75	93
10-25			1200		1200		1225			60	109
11-1		1350			1350				1350	125	93
11-8	1500			1500		1500			1500	100	81
11-15	1300				1300					40	93
11-22	1425				1450				1450	75	87
12-6	1300					1300			1300		87
12-13	1500				1500				1550	100	90
12-20	1280				1330				1580		108
12-28		1600			1600			1600		60	120
1-4-61	1550			1600		1600			1450	150	119
1-10	1600			1600			1600		1600	125	117

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 220 — Basin: Arkansas River

Location: Arkansas River near Great Bend, Kansas — Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
1-17-61	1600				1600			1600			122
1-31	1600		1620								98
2-8	1520				1520				1500	100	84
2-14	1850				1860				1860	100	137
2-21		1900						1900		80	141
3-7	1780				1750				1700	60	118
3-14		1610		1610						100	115
3-21	1450				1450				1500	120	133
3-28	1550				1550				1520		122
4-11	1450			1440			1440			100	130
4-19	1470				1470				1470	120	105
4-25					1475					45	97
5-2	1450				1450				1450	150	99
5-9	1000					1000				100	276

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 220
Location: Arkansas River near Great Bend, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
5-16-61					1350					50	144
5-23	1320				1320				1380	100	127
5-30			1310					1320		70	116
6-6			430					440		150	608
6-13	1130				1150			1200		150	266
6-20		990		995				995		80	384
6-22			1000						1050	80	354
7-4	1170		1180						1190	70	111
7-12	1110				1110				1120	50	69
7-17		320		320					320	200	1154
7-24	520				535				520	80	448
8-1					1000					70	57
8-7	570	570	580			590			635	60	103
8-14	485	485	485			485			485	105	198

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 220
Location: Arkansas River near Great Bend, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
8-21-61	390		390		390		390		390	200	1112
8-29	1000			1000		1000	990			160	218
9-5	1200				1200			1200		120	138
9-11	1110					1140				35	79
9-18	910					890				60	243
9-25	1130		1120	1120		1130			1110	170	150
10-2	1160	1160	1160		1160		1160	1160	1160	40	74
10-9	1150		1180				1200		1250	53	60
10-17	1210	1210			1200				1190	80	46
10-25	1295	1295		1295			1300	1295	1290	59	50
10-31	1000				1000				1000	80	118
11-6	1210		1200					1180		135	130
11-13	1310	1310		1400	1400		1390		1400	65	112
11-20	1640				1640				1640	120	151

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 220
Location: Arkansas River near Great Bend, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
11-27-61	2140			2120			2000		2100	100	181
12-4	2400		2400		2400				2400	250	189
12-13	2200					2600				40	69
12-19								2000			60
12-26	2300			2300	2300		2250		2250	100	184
1-2-62	2450		2450			2450			2450		196
1-8	2700			2700					2700	150	147
1-15	2400									310	101
1-29	1950			1950		1950			1950	75	349
2-6	2400		2400	2400			2400		2400	300	283
2-12		2750			2750		2700		2700	400	278
2-19	2150			2100		2100			2150	150	265
2-27					2280					50	101
3-5	1800	1800		1850					1850	155	211

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 220
Location: Arkansas River near Great Bend, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
3-12-62	2700			2700					2700	125	230
3-19	2850				2850				2850	100	235
3-26	2750		2725				2725		2750		251
4-3	2600				2600				2600	65	241
4-10		1960		1960		1960		1960		82	215
4-16	1900			1900					1900	100	203
4-23	1790					1800				40	190
4-30	1550				1550				1550	70	195
5-7	1610						1610			40	151
5-15	1580					1580			1580	70	93
5-21		1490					1500			50	92
5-29	1650				1600				1600	75	119
6-5	1070				1050		1050			65	203
6-11	1460		1460		1460				1500	170	293

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 220
Location: Arkansas River near Great Bend, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
6-18-62	1900				1900				1900	75	230
6-26	1850				1900				1900	85	213
7-3	1200			1200			1200			120	429
7-9	380		380		390		400		400	340	1304
7-17		1060			1060		1060		1070	165	278
7-23	1000		1000						1000	150	256
7-31	600			600				590		80	810
8-7		460			460			460		250	1358
8-14		1000			1020			1020		100	350
8-20	1160		1160		1180		1180		1180	50	205
8-29	1025				1025				1025	80	172
9-4		1140					1160			75	152
9-11	960				980				980	115	348
9-18	825		825		825				825	125	355

Continuous recorder location conductance underlined.

STREAM UNIFORMITY STUDY DATA

PHS Station No. 220
Location: Arkansas River near Great Bend, Kansas

Basin: Arkansas River
Tributary to: Arkansas River

Specific Conductance as Micromhos/cm @ 25°C

Date	Left Bank	L 1/8	L 1/4	L 3/8	1/2	R 3/8	R 1/4	R 1/8	Right Bank	Stream Width, Ft	Flow Cfs
9-24-62	530	560		540				540		200	806

Continuous recorder location conductance underlined.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 403
Location: Arkansas River at Van Buren, Arkansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-5-59	430	70	35
10-7	300	80	13
10-26	550	110	35
11-2	990	220	48
11-9	600	80	41
11-17	890	200	59
11-24	1350	250	63
12-2	1500	250	48
12-7	1000	220	59
12-15	1150	250	56
12-22	640	150	35
12-29	520	120	46
1-6-60	990	220	120
1-13	880	170	62
1-20	680	140	70
1-27	900	190	95
2-2	1150	260	105
2-9	910	200	85
2-15	930	210	85
2-24	1100	252	130
3-4	850	204	90
3-8	1030	238	100
3-23-60	800	168	100
3-29	740	145	100
4-4	840	131	100
4-12	880	174	130
4-20	860	152	110
4-27	690	119	85
5-5	500	96	70
5-12	350	47	28
5-18	500	93	46
5-25	320	37	26
6-1	610	128	55
6-8	610	100	59
6-14	760	140	88
6-21	890	157	82
6-28	1230	256	118
7-6	1540	328	140
7-13	790	184	95
7-19	1450	308	145
7-26	270	40	35
8-2	400	60	42
8-9	840	155	78
8-16	940	194	84

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 403
Location: Arkansas River at Van Buren, Arkansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-23-60	1070	230	105	1-25-61	1690	402	160
8-30	860	167	73	1-31	1240	285	120
9-7	690	133	60	2-8	1770	440	155
9-13	840	158	80	2-14	1310	302	150
9-20	1000	208	84	2-21	950	216	88
9-27	1130	250	105	3-1	720	133	62
10-4	1650	430	165	3-7	700	138	70
10-11	1140	268	98	3-15	400	172	66
10-18	1450	352	105	3-22	740	83	86
10-25	1280	308	140	3-28	750	146	75
11-2	1200	285	120	4-4	500	95	50
11-9	520	75	63	4-6	550	99	50
11-16	1010	205	140	4-11	620	106	68
11-22	1280	318	225	4-13	680	128	72
11-30	1470	340	145	4-18	790	144	82
12-6	1180	266	115	4-25	760	148	62
12-13	670	144	66	5-2	800	152	75
12-21	810	151	135	5-4	590	88	63
12-28	1420	350	130	5-9	450	70	42
1-5-61	970	234	110	5-11	360	46	40
1-10	1180	266	130	5-16	290	34	40
1-18	1070	246	115	5-18	280	34	38

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 403
Location: Arkansas River at Van Buren, Arkansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-22-61	340	44	39	9-29-61	380	48	33
5-25	460	72	44	10-3	340	43	33
5-30	290	33	28	10-6	370	47	30
6-5	340	46	31	10-11	530	80	42
6-13	590	97	62	10-18	410	50	28
6-19	520	93	42	10-20	390	46	36
6-27	860	166	75	11-1	810	150	63
7-4	750	141	62	11-3	350	41	33
7-11	1000	216	77	11-7	380	55	33
7-18	220	28	26	11-14	660	116	52
7-25	450	73	38	11-21	590	106	54
8-1	360	50	30	11-24	300	45	32
8-7	930	209	48	11-28	440	70	39
8-15	630	104	40	12-5	550	97	48
8-18	420	65	23	12-12	580	96	48
8-21	420	78	30	12-20	530	88	44
8-29	1220	295	49	1-3-62	1020	229	76
9-6	1010	206	90	1-16	540	81	54
9-8	420	64	41	1-23	540	96	54
9-19	280	29	38	1-30	820	160	75
9-22	260	22	23	2-13	860	168	68
9-26	440	60	32	2-17	1390	378	89

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 403
Location: Arkansas River at Van Buren, Arkansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-27-62	660	108	64	9-10-62	620	112	53
3-6	710	127	64	9-25	380	45	40
3-13	1050	218	98				
3-27	500	75	60				
4-10	770	141	72				
4-17	730	125	68				
4-24	480	82	44				
5-8	1060	227	90				
5-16	1400	312	110				
5-18	1610	382	132				
5-22	1440	327	116				
5-25	1530	352	120				
5-29	1530	357	110				
6-1	1480	350	108				
6-5	750	132	65				
6-12	1100	270	66				
6-19	770	140	73				
7-3	1580	357	128				
7-17	640	110	54				
7-31	630	126	50				
8-14	1390	320	138				
8-28	1260	287	90				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 392
Location: Canadian River near Whitefield, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-5-59	390	80	17	2-2-60	1600	360	105
9-8	720	180	17	2-9	710	510	85
9-14	750	250	46	2-16	1090	230	120
9-22	1120	300	39	2-24	1100	256	95
9-30	375	60	10	3-4	1000	268	95
10-6	240	50	10	3-8	1110	275	90
10-13	350	90	20	3-23	1025	240	100
10-21	1100	220	57	3-29	950	208	95
10-26	1600	350	53	4-5	1820	420	110
11-2	1700	440	50	4-12	1350	365	110
11-9	650	110	27	4-19	580	126	25
11-17	1500	360	51	4-27	750	169	44
11-23	2100	440	51	5-5	560	169	34
12-1	2500	530	33	5-12	360	75	18
12-7	2100	540	36	5-18	510	101	23
12-15	1900	530	36	5-25	280	38	18
12-21	410	100	28	6-1	730	174	27
12-29	560	120	34	6-8	1034	205	63
1-6-60	1090	260	85	6-15	1285	260	130
1-13	550	100	29	6-21	1160	202	115
1-20	760	180	51	6-28	1280	272	100
1-28	1300	320	63	7-6	1480	368	70

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 392
Location: Canadian River near Whitefield, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-13-60	1270	258	195	12-6-60	1150	268	105
7-20	1240	230	170	12-13	428	88	56
7-26	330	64	42	12-21	1080	194	165
8-2	482	75	45	12-28	1240	259	145
8-9	776	144	56	1-5-61	907	215	115
8-16	1220	270	101	1-10	1220	262	130
8-23	751	151	105	1-18	1040	218	115
8-30	850	167	66	1-25	1580	342	165
9-7	991	205	68	1-31	1700	405	150
9-13	1340	312	63	2-8	1440	325	140
9-20	1530	366	65	2-14	1170	252	115
9-21	867	203	38	2-21	1050	298	87
9-27	1340	322	130	3-1	889	170	80
10-4	1580	365	180	3-7	650	115	69
10-11	1250	330	90	3-15	1130	226	115
10-18	931	182	135	3-22	941	200	77
10-25	1160	223	180	3-28	600	122	56
11-2	882	176	95	3-30	496	86	58
11-9	898	154	98	4-4	565	108	46
11-16	1120	218	150	4-11	1060	215	115
11-22	1270	290	160	4-18	961	194	92
11-30	1290	278	150	4-25	1160	254	84

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 392
Location: Canadian River near Whitefield, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-2-61	1430	342	69	9-26-61	623	98	42
5-9	425	85	29	10-3	557	104	35
5-11	482	87	50	10-10	968	202	59
5-16	731	139	66	10-18	774	139	54
5-22	693	140	55	10-26	964	200	68
5-27	502	94	30	11-1	1060	232	66
6-5	643	125	48	11-6	1020	224	70
6-13	1030	195	125	11-14	855	176	70
6-19	700	135	65	11-21	881	169	90
6-26	741	133	71	11-25	313	69	22
7-3	798	157	58	11-27	365	63	30
7-10	753	177	29	11-28	450	75	39
7-18	301	49	21	12-5	1030	192	88
7-24	445	75	34	12-14	798	167	53
8-1	442	84	21	12-19	584	110	44
8-8	1070	286	38	12-27	812	156	82
8-15	1120	235	57	1-3-62	1260	279	97
8-21	696	160	20	1-9	1010	228	31
8-29	1110	188	85	1-16	1450	335	60
9-6	1095	240	63	1-23	424	67	49
9-12	1280	316	68	1-30	1004	214	82
9-19	504	88	38	2-6	1310	258	164

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 392
Location: Canadian River near Whitefield, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-12-62	1530	340	110
2-19	1330	300	110
2-27	656	136	53
3-6	1210	310	73
3-12	1110	240	81
3-20	1397	325	76
3-27	385	71	33
4-2	354	57	27
4-10	880	190	42
4-17	812	180	44
4-24	324	63	24
4-26	373	63	29
4-30	756	148	57
5-8	969	190	59
5-14	1505	333	80
5-22	1547	360	71
5-29	1164	286	46
6-5	654	120	43
6-12	515	75	62
6-18	452	63	45
6-26	524	80	63
7-3	1174	262	84
7-9-62	1058	183	128
7-17	407	78	31
7-24	917	199	53
7-31	608	136	25
8-7	1581	297	245
8-14	1550	317	215
8-20	1454	347	156
8-28	1560	370	106
9-5	556	104	29
9-10	571	110	33
9-18	637	112	63
9-24	561	93	49

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 761
Location: North Canadian River near Eufaula, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-5-59	390	80	19	1-6-60	1250	320	70
8-12	1400	430	32	1-13	510	110	22
8-18	900	260	26	1-20	790	190	37
8-25	2200	680	19	1-28	1500	380	56
9-1	2100	750	31	2-2	1800	470	53
9-8	860	240	18	2-9	640	140	33
9-14	700	200	26	2-16	1050	240	105
9-22	1220	350	26	2-24	1225	294	90
9-30	460	110	12	3-4	1400	378	85
10-6	300	60	15	3-8	1300	348	85
10-13	280	60	16	3-23	1100	263	100
10-21	1200	220	85	3-29	1375	382	95
10-26	1520	340	60	4-5	1790	430	80
11-2	1900	510	55	4-12	1500	360	100
11-9	670	100	55	4-27	950	225	39
11-17	1500	390	70	5-5	540	131	30
11-23	2300	520	55	5-11	340	68	14
12-1	3000	630	55	5-18	500	106	20
12-7	2500	670	55	5-25	445	84	19
12-15	2400	660	40	6-1	680	164	22
12-21	490	130	65	6-9	1180	309	41
12-29	460	110	65	6-15	890	200	56

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 761
Location: North Canadian River near Eufaula, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-21-60	1090	192	95	11-22-60	1200	268	135
6-28	1620	425	80	11-30	1160	260	130
7-6	1560	405	44	12-2	1150	268	120
7-14	2150	615	71	12-13	708	175	50
7-20	1920	525	59	12-21	986	292	110
7-26	316	68	35	12-27	1040	204	100
8-2	387	59	31	1-5-61	1360	355	80
8-9	700	130	34	1-10	1420	335	105
8-16	1530	328	50	1-18	1180	258	90
8-23	1180	330	14	1-25	1790	448	125
8-30	1580	430	51	1-30	1820	450	125
9-7	1440	384	55	2-8	1490	350	120
9-14	1580	410	63	2-14	1670	422	135
9-21	1887	515	80	2-21	1160	280	71
9-27	1590	440	70	3-1	949	195	64
10-4	2150	630	80	3-7	1010	224	58
10-11	1620	490	65	3-15	1290	298	73
10-18	1520	425	80	3-22	1120	262	100
10-26	1050	237	90	3-25	1130	304	45
11-2	895	178	90	4-4	639	138	46
11-9	960	170	150	4-6	719	160	44
11-16	1120	214	150	4-11	948	198	83

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 761
Location: North Canadian River near Eufaula, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-17-61	867	182	80	8-15-61	1080	240	34
4-25	1190	268	80	8-21	640	138	20
5-2	1490	410	64	8-28	1080	260	29
5-4	1320	-	-	9-5	1240	307	44
5-9	544	128	28	9-7	2420	667	40
5-11	384	72	29	9-12	1450	381	70
5-16	680	113	111	9-19	491	87	37
5-17	736	142	44	9-26	633	102	30
5-22	1130	238	115	10-2	725	145	45
5-25	707	143	41	10-10	1090	245	42
5-29	517	102	27	10-17	760	153	34
6-5	836	179	64	10-25	942	194	58
6-13	836	204	31	10-31	1050	238	53
6-19	450	80	45	11-6	1170	260	67
6-22	460	79	45	11-13	837	172	50
6-29	712	124	69	11-21	822	182	71
7-3	918	182	75	11-24	433	89	27
7-10	730	147	21	11-26	530	101	36
7-17	234	41	23	11-27	472	97	26
7-24	411	76	20	12-5	1030	234	67
8-1	410	66	20	12-14	1060	295	60
8-7	913	242	38	12-19	598	120	24

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 761
Location: North Canadian River near Eufaula, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)
12-26-61	1060	295	60	5-21-62	1745	422	62
1-2-62	1300	310	66	5-28	1900	470	38
1-9	1480	388	55	5-30	2020	530	55
1-15	1390	313	60	6-4	715	140	29
1-23	1320	313	73	6-11	624	140	23
1-29	1447	365	63	6-18	416	59	29
2-6	1540	382	58	6-25	561	88	64
2-12	1780	467	94	7-2	1143	285	50
2-12	1620	378	110	7-9	1100	206	128
2-19	1530	365	90	7-16	443	88	33
2-26	1580	392	90	7-23	1243	300	60
3-5	1030	273	53	7-30	596	136	23
3-12	1310	290	52	8-7	1000	226	49
3-19	1526	402	68	8-13	1322	332	60
3-26	552	130	45	8-20	1434	375	58
4-2	873	166	43	8-27	1750	452	80
4-9	1284	322	50	9-4	596	103	20
4-16	700	153	36	9-10	618	140	28
4-23	477	106	27				
4-30	1001	227	58				
5-7	999	218	31				
5-14	1598	365	75				

Specific Conductance (µmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 390
Location: Deep Fork River near Beggs, Oklahoma
Basin: Arkansas
Tributary to: Canadian

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-6-59	690	140	16
9-9	460	90	18
9-15	480	110	18
9-23	860	210	26
10-1	320	100	10
10-13	300	60	21
10-22	1000	160	27
10-27	1200	230	35
11-3	1500	350	25
11-10	810	120	26
11-18	1100	270	26
11-24	1900	390	44
12-2	1800	480	49
12-8	1700	420	25
12-16	1500	410	25
12-22	550	120	24
12-29	500	80	26
1-6-60	900	210	35
1-14	550	90	27
1-20	600	120	28
1-28	1000	230	39
2-2	1180	260	44
2-8-60	700	130	29
2-15	890	180	35
2-24	1100	244	40
3-3	1090	264	36
3-8	1200	288	44
3-24	1225	500	48
3-28	1150	270	48
4-4	1370	272	49
4-13	1350	342	51
4-27	900	187	35
5-4	490	95	23
5-12	260	38	20
5-17	660	135	24
5-24	350	50	18
6-1	540	106	19
6-7	598	111	25
6-14	680	133	23
6-20	750	116	26
6-28	940	190	30
7-6	1280	268	48
7-13	1200	255	48
7-20	1310	328	30

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 390
Location: Deep Fork River near Beggs, Oklahoma
Basin: Arkansas
Tributary to: Canadian

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-25-60	232	44	30	12-28-60	806	156	38
8-1	334	38	30	1-4-61	916	104	46
8-9	553	79	29	1-9	988	205	51
8-15	710	127	31	1-17	1230	288	48
8-23	1070	266	26	1-24	1160	232	63
8-29	1130	224	51	2-1	1260	258	68
9-6	765	130	38	2-9	1440	298	68
9-12	834	147	37	2-13	1200	248	60
9-19	980	182	45	2-22	617	116	24
9-26	1130	266	51	2-28	720	121	35
10-3	1340	258	68	3-8	862	145	40
10-10	1350	285	73	3-14	1110	219	40
10-17	1280	255	78	3-21	1290	310	48
10-24	1280	305	55	3-27	1160	298	36
11-2	696	115	46	4-4	703	132	34
11-8	782	127	55	4-11	590	121	28
11-15	778	134	44	4-19	830	169	38
11-22	838	173	40	4-25	1040	212	41
11-29	858	154	44	5-1	1180	250	49
12-7	616	140	18	5-10	544	116	24
12-14	1000	252	70	5-16	587	100	22
12-20	656	104	39	5-23	475	100	20

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 390
Location: Deep Fork River near Beggs, Oklahoma
Basin: Arkansas
Tributary to: Canadian

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-30-61	401	62	20	9-25-61	465	56	35
6-5	720	173	20	9-26	465	62	53
6-13	562	97	23	10-3	960	221	20
6-20	343	52	28	10-10	664	124	26
6-27	624	113	20	10-18	601	95	22
7-04	820	164	26	10-26	808	155	26
7-11	201	33	23	11-1	918	184	29
7-18	385	71	20	11-3	1700	475	20
7-25	195	34	20	11-7	811	142	30
8-2	525	75	20	11-14	706	125	21
8-8	680	124	20	11-21	628	112	26
8-15	510	98	20	11-22	490	95	20
8-16	310	56	20	11-24	430	72	20
8-22	816	161	20	11-28	601	109	22
8-29	740	134	20	12-5	857	171	24
9-6	1460	356	34	12-14	1020	232	29
9-12	960	206	31	12-20	666	127	25
9-15	360	78	20	12-27	784	169	43
9-18	288	42	32	1-3-62	1080	253	38
9-19	272	35	29	1-9	1020	96	20
9-20	300	35	42	1-16	1340	285	26
9-22	382	35	29	1-23	1360	324	43

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 390
Location: Deep Fork River near Beggs, Oklahoma
Basin: Arkansas
Tributary to: Canadian

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-30-62	1128	250	43	5-15-62	1250	247	37
2-6	1180	262	40	5-22	1411	312	37
2-13	1320	288	44	5-23	1463	322	38
2-15	1300	288	45	5-26	1524	342	41
2-17	1440	355	47	5-28	2234	622	30
2-19	1360	315	44	5-29	1566	397	33
2-20	1290	288	44	6-5	476	73	20
2-21	1340	298	45	6-26	765	135	21
2-23	1450	350	46	7-4	849	149	30
2-26	1380	298	53	7-17	515	103	20
2-28	1400	315	46	7-24	416	85	24
3-2	1380	322	49	7-31	757	160	26
3-6	1160	278	42	8-7	1071	234	36
3-13	1240	278	44	8-14	1146	260	41
3-16	1266	282	50	8-21	1333	320	40
3-19	1344	305	53	8-29	1448	350	34
3-27	510	82	26	9-5	275	56	20
4-3	910	184	41	9-11	520	95	20
4-17	576	98	30	9-18	310	55	20
4-25	604	111	28	9-25	500	80	20
5-1	612	114	26				
5-8	969	188	30				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 765
Location: Wewoka Creek near Wetumka, Oklahoma
Basin: Arkansas
Tributary to: Canadian

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-4-59	2200	720	11	1-6-60	2900	1050	36
8-11	5000	1920	26	1-13	690	180	22
8-18	6000	2600	34	1-20	1750	650	22
8-25	4000	1450	12	1-28	4100	1600	37
9-1	4500	1900	20	2-2	4400	1600	34
9-8	3000	1300	13	2-9	2500	800	26
9-14	3000	1350	14	2-16	4200	1550	35
9-22	3000	1150	15	2-24	5000	1600	35
9-30	900	280	13	3-4	2300	845	29
10-6	700	240	12	3-8	3500	1250	35
10-13	1800	760	60	3-14	2900	980	31
10-21	5000	1550	22	3-24	4750	1620	36
10-26	6200	2100	18	3-29	6000	2140	39
11-2	7500	2550	21	4-6	3900	1160	36
11-9	3200	950	17	4-12	5500	2140	65
11-17	4800	1900	28	4-19	1620	520	12
11-23	8000	2400	36	4-26	4100	1690	28
12-1	1000	2700	24	5-6	1350	497	12
12-7	7500	2650	24	5-11	3000	1180	15
12-15	6000	2600	26	5-19	380	89	19
12-21	1400	500	16	5-26	1680	550	20
12-29	1350	350	23	6-2	2170	750	14

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 765
Location: Wewoka Creek near Wetumka, Oklahoma
Basin: Arkansas
Tributary to: Canadian

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-9-60	7660	2900	30	11-9-60	1920	580	75
6-15	4910	1720	25	11-14	2340	805	70
6-22	6890	2220	30	11-21	2960	1060	70
6-29	7650	2850	35	11-28	3020	990	70
7-7	7170	2420	31	12-6	2570	975	21
7-14	6720	2700	29	12-12	560	159	32
7-20	7020	2550	32	12-21	1800	580	30
7-27	2450	788	20	12-27	2830	1100	31
8-2	1600	492	15	1-3-61	1240	385	34
8-10	2300	720	16	1-10	2180	670	32
8-18	3470	1050	26	1-18	3030	1015	35
8-23	2620	860	25	1-23	4010	1340	46
8-31	2330	730	30	1-30	5280	1810	51
9-7	2620	870	20	2-7	5360	1910	56
9-14	2850	940	22	2-15	4290	1480	44
9-21	2910	940	19	2-21	1340	408	20
9-27	3140	990	35	2-27	2610	835	29
10-4	6690	2360	45	3-7	4490	1450	44
10-11	6050	2140	42	3-15	2240	680	30
10-18	4670	1640	37	3-20	3620	1200	38
10-26	270	69	36	3-27	1110	322	22
11-3	1940	630	70	4-4	1170	380	20

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 765
Location: Wewoka Creek near Wetumka, Oklahoma
Basin: Arkansas
Tributary to: Canadian

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-10-61	2890	994	32	8-28-61	2050	660	20
4-17	2580	855	28	9-5	1580	474	22
4-24	3950	1320	37	9-12	2310	713	17
5-1	4390	1500	30	9-14	560	149	15
5-8	640	166	18	9-15	920	263	12
5-10	1080	309	20	9-18	1600	498	14
5-15	2200	715	21	9-25	3360	980	20
5-22	1200	354	18	10-2	5200	1760	55
5-24	1020	290	15	10-9	3130	1000	20
5-29	2010	635	16	10-17	1770	545	20
6-5	2920	940	21	10-25	3020	1000	20
6-14	2090	670	20	10-31	980	302	20
6-19	1640	505	20	11-1	740	248	20
6-26	1920	610	21	11-2	970	298	20
7-3	2150	695	20	11-6	3760	1260	21
7-10	840	234	21	11-13	3630	1250	21
7-17	820	230	20	11-20	1320	405	20
7-24	660	172	20	11-24	600	168	20
7-31	2830	925	20	11-27	1410	422	20
8-7	3320	1180	20	12-4	3300	1040	22
8-14	3670	1200	20	12-9	1060	310	20
8-18	890	260	20	12-13	2180	700	20

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 765
Location: Wewoka Creek near Wetumka, Oklahoma
Basin: Arkansas
Tributary to: Canadian

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
12-19-61	1190	352	20	4-30-62	1280	367	20
12-26	2910	975	36	5-7	2610	825	22
1-2-62	4370	1505	35	5-14	4100	1270	27
1-8	5500	2000	20	5-21	4280	1390	28
1-15	4240	1390	38	5-24	6570	2280	39
1-22	3490	1290	40	5-28	5790	1940	35
1-29	4020	1390	32	6-4	3920	1290	25
2-6	4320	1590	36	6-11	520	137	20
2-12	4770	1630	38	6-18	1210	360	20
2-15	5550	2220	43	6-25	1070	310	20
2-16	5570	1960	42	7-2	1850	585	20
2-19	5160	1810	36	7-9	1140	317	20
2-23	5680	1990	40	7-16	840	215	20
2-26	3500	1220	37	8-13	390	72	20
3-5	1410	438	23	8-20	270	35	20
3-12	2900	970	32	8-27	310	43	20
3-19	3660	1260	36	9-4	2430	790	20
3-26	850	233	21	9-10	1110	320	20
4-2	2410	815	29	9-17	2090	500	23
4-9	3220	1265	37	9-24	1500	455	20
4-16	3840	1340	36				
4-23	600	152	20				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 388
Location: North Canadian River near Wetumka, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-4-59	1600	380	35	1-6-60	1500	400	115
8-11	1500	450	50	1-12	625	130	28
8-18	1450	400	55	1-20	1100	300	85
8-25	2200	690	42	1-28	2000	550	105
9-1	880	220	23	2-2	2200	600	100
9-8	900	250	18	2-9	950	200	115
9-14	910	300	41	2-16	1150	230	170
9-22	1800	700	39	2-24	1500	364	115
9-30	480	110	17	3-4	1400	325	125
10-6	360	70	16	3-8	1600	423	100
10-13	700	160	41	3-14	1300	300	75
10-21	2000	380	95	3-23	1300	288	145
10-26	2200	520	60	3-29	1700	478	125
11-2	2250	550	65	4-6	1720	375	150
11-9	1300	240	60	4-12	1700	470	130
11-17	2000	540	90	4-19	1120	297	40
11-23	3100	730	80	4-26	1900	580	70
12-1	3000	740	65	5-6	270	51	19
12-7	2500	730	60	5-11	700	165	20
12-15	2500	690	60	5-19	800	21	14
12-21	600	150	60	5-26	900	180	50
12-29	900	180	70	6-2	1480	430	56

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 388
Location: North Canadian River near Wetumka, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-9-60	1270	330	78	11-9-60	1090	163	175
6-15	920	188	93	11-14	1250	220	195
6-22	1470	265	165	11-21	1410	322	170
6-29	1800	480	105	11-28	1480	278	175
7-7	2600	715	85	12-6	801	159	66
7-14	2300	620	65	12-12	791	179	63
7-21	2750	805	150	12-19	1320	243	155
7-27	620	130	30	12-27	1900	465	125
8-2	1550	390	78	1-3-61	2290	670	115
8-10	1580	425	82	1-10	1880	465	110
8-18	1960	505	65	1-18	2270	605	120
8-24	2330	695	105	1-23	1760	390	190
8-30	826	184	35	1-30	1850	430	200
9-7	2090	615	101	2-7	1600	32[illegible]	230
9-14	2220	640	86	2-15	1650	315	210
9-21	2110	605	93	2-20	853	158	100
9-27	2150	615	98	2-27	1210	235	140
10-4	2790	925	130	3-7	1140	250	72
10-12	2140	640	125	3-15	1510	315	178
10-19	1460	515	90	3-20	1310	318	140
10-26	1100	183	155	3-27	1140	235	100
11-3	780	124	105	4-4	874	190	75

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 388
Location: North Canadian River near Wetumka, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-10-61	1080	205	130	8-21-61	594	126	20
4-17	1500	255	185	8-28	1690	430	75
4-24	1430	345	130	9-5	1170	310	45
5-1	1790	485	95	9-11	1050	273	44
5-8	650	125	52	9-14	349	49	49
5-10	651	129	40	9-15	783	168	28
5-15	1220	250	120	9-18	562	90	48
5-22	435	72	41	9-19	695	98	50
5-24	533	87	46	9-25	1400	184	76
5-29	1110	245	60	10-2	571	103	42
6-5	1410	290	160	10-9	1410	322	68
6-14	1030	180	150	10-17	817	132	86
6-19	1300	208	180	10-25	1280	295	78
6-26	1220	242	165	11-6	789	142	65
7-3	1160	248	125	11-7	718	128	65
7-10	700	148	20	11-13	1156	240	118
7-17	781	172	37	11-20	872	192	83
7-24	300	46	20	11-24	617	113	42
7-31	1060	236	34	11-27	973	190	83
8-7	1670	440	65	12-4	1460	290	100
8-14	2200	605	60	12-13	1610	345	100
8-18	540	104	20	12-19	688	128	44

Specific Conductance (umhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 388
Location: North Canadian River near Wetumka, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
12-26-61	1386	281	130	5-28-62	1926	500	88
1-2-62	1810	413	140	6-4	562	96	23
1-8	1590	400	107	6-11	392	50	35
1-15	1600	330	100	6-18	1006	184	90
1-22	1675	375	115	6-25	1673	382	180
1-29	1868	455	108	7-2	875	148	96
2-6	2120	535	86	7-9	1330	232	196
2-12	1440	282	160	7-16	1634	405	114
2-19	1520	305	168	7-23	1703	422	100
2-26	1580	320	154	7-30	1487	385	75
3-5	1600	380	106	8-6	1414	367	80
3-12	1820	455	84	8-13	1785	430	122
3-19	1573	375	145	8-20	2080	560	126
3-26	924	225	58	8-27	2040	550	96
4-2	1432	345	59	9-4	809	184	37
4-9	1910	480	77	9-10	1129	290	35
4-16	1106	302	49	9-17	1029	265	45
4-23	368	61	20	9-24	1295	330	65
4-30	596	107	34				
5-7	1499	392	57				
5-14	1850	445	160				
5-21	2090	540	100				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 387
Location: North Canadian River near Oklahoma City, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-1-59	650	110	44	3-2-60	1500	382	220
10-5	240	20	20	3-7	1350	267	210
10-14	900	180	150	3-14	1200	218	200
10-20	2000	940	190	3-18	1200	215	240
10-28	2040	420	120	3-21	1200	228	220
11-4	1200	220	140	3-28	1300	265	230
11-11	2500	530	120	4-5	1500	253	230
11-16	4000	810	140	4-13	3400	1060	120
11-25	2300	800	220	4-25	2200	600	190
11-30	3000	830	120	4-28	3000	945	210
12-9	4000	1020	130	5-2	830	184	101
12-15	2000	790	100	5-9	1350	336	120
12-22	1850	490	130	5-16	1800	388	205
12-28	1300	300	190	5-23	1400	320	105
1-5-60	1900	540	190	6-1	1500	385	115
1-14	1800	360	120	6-6	1090	200	155
1-19	1300	290	140	6-13	610	114	90
1-27	2100	520	240	6-22	2720	695	185
2-3	2600	740	160	6-27	3700	955	180
2-9	1000	200	170	7-5	2750	750	160
2-17	1200	205	190	7-11	3020	880	195
2-23	1600	358	240	7-18	1660	385	125

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 387
Location: North Canadian River near Oklahoma City, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-25-60	2010	485	150	12-29-60	2790	835	250
8-2	2330	575	140	1-4-61	2810	740	260
8-8	2970	750	165	1-9	3060	815	260
8-15	3750	1090	210	1-17	2610	650	270
8-22	1500	350	125	1-24	2000	445	300
8-29	3370	882	205	1-30	2890	745	280
9-6	3410	990	245	2-9	1550	288	270
9-12	2930	780	210	2-13	1300	222	260
9-19	3660	1020	230	2-22	2000	458	180
9-26	4600	1310	200	2-28	1670	332	205
10-3	1890	440	250	3-6	1640	298	240
10-10	3520	1120	255	3-14	1550	263	223
10-17	3370	970	255	3-21	1250	208	200
10-24	684	104	86	3-29	1350	238	210
11-1	828	119	155	4-5	1160	209	210
11-8	1820	384	195	4-12	1230	213	205
11-15	1710	310	265	4-19	2260	563	220
11-23	1590	318	243	4-26	1660	340	225
11-29	1460	262	210	5-3	1830	385	225
12-8	2010	495	205	5-5	1700	-	-
12-12	1410	270	255	5-11	1170	192	200
12-22	2970	800	260	5-12	1250	-	-

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 387
Location: North Canadian River near Oklahoma City, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-17-61	1320	240	225				
5-24	1490	290	235				
5-26	1410	-	-				
5-31	1550	300	220				
6-6	1180	202	165				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 762
Location: North Canadian River below Lake Overholser, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-31-59	770	130	114	1-4-60	925	130	200
8-10	700	110	84	1-12	1000	130	240
8-17	720	100	114	1-19	700	90	170
8-24	790	120	68	1-26	990	130	240
8-31	1000	130	168	2-1	1050	140	220
9-9	1020	130	130	2-8	850	110	170
9-15	850	150	145	2-16	950	120	200
9-21	1070	120	130	2-23	850	115	200
9-25	200	20	28	3-2	1000	132	210
10-5	160	20	20	3-7	1050	136	220
10-14	780	140	160	3-18	990	134	210
10-20	1150	250	180	3-22	840	136	210
10-28	1280	170	190	3-28	1000	125	380
11-4	1250	190	170	4-4	1050	142	230
11-11	1350	180	120	4-11	1050	147	220
11-16	950	120	130	4-26	1090	142	170
11-25	950	130	200	5-3	1000	145	180
12-2	1150	140	260	5-9	860	107	390
12-7	1250	140	130	5-16	1110	158	200
12-15	1090	130	100	5-26	900	111	150
12-21	760	100	110	6-2	510	54	100
12-28	870	120	140	6-9	400	40	130

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 762
Location: North Canadian River below Lake Overholser, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-13-60	870	135	180	11-14-60	1130	106	230
6-22	1110	126	170	11-21	1210	179	255
6-27	1030	143	210	11-28	1040	270	220
7-5	1010	131	180	12-5	1250	162	245
7-11	1040	136	200	12-12	1150	150	225
7-18	900	118	170	12-19	910	105	175
7-25	770	90	140	12-27	850	121	170
8-1	730	78	130	1-3-61	880	118	170
8-8	830	98	150	1-9	940	111	175
8-15	930	116	160	1-16	1150	148	250
8-22	820	101	525	1-23	1170	150	255
8-29	810	98	135	1-30	1200	159	255
9-6	920	117	165	2-9	1140	146	255
9-12	900	119	155	2-13	1060	137	245
9-21	920	115	155	2-20	1040	139	210
9-26	930	133	175	3-1	1060	138	210
10-3	1260	177	230	3-6	1140	150	210
10-12	970	155	200	3-13	1190	160	230
10-17	1030	144	180	3-22	1100	133	215
10-24	590	64	140	3-27	1180	149	210
10-31	580	70	135	4-3	1060	150	215
11-9	1010	126	210	4-10	1070	149	215

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 762
Location: North Canadian River below Lake Overholser, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-17-61	1120	157	225	9-13-61	460	47	58
4-24	1010	127	175	9-15	250	18	28
5-1	1240	177	243	9-18	460	46	64
5-11	1140	173	210	9-20	600	63	80
5-15	1190	172	205	9-20	640	62	96
5-22	990	133	180	9-22	830	93	96
5-31	1170	175	230	9-27	470	44	90
6-7	980	133	175	9-27	540	58	80
6-12	1090	158	205	9-29	430	41	54
6-21	1160	184	220	10-2	750	96	145
6-28	1020	140	185	10-4	820	104	150
7-5	1030	160	185	10-4	870	103	140
7-10	1080	158	185	10-6	830	98	110
7-17	1120	150	150	10-9	820	96	130
7-25	1020	138	145	10-11	500	42	72
8-2	1000	150	130	10-13	810	101	130
8-8	1010	149	145	10-16	540	48	86
8-16	1040	134	140	10-18	700	68	104
8-23	1010	134	145	10-19	680	64	102
8-31	1070	152	115	10-27	1230	142	185
9-4	610	78	92	10-30	1300	152	210
9-7	960	136	155	11-1	770	84	100

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 762
Location: North Canadian River below Lake Overholser, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
11-2-61	1350	166	220	12-27-61	1330	175	220
11-3	410	42	48	12-28	1310	179	265
11-6	520	46	83	12-29	1380	176	215
11-8	1000	142	180	1-1-62	1360	175	220
11-15	1170	142	190	1-4	1270	193	205
11-15	1160	144	196	1-10	1330	183	230
11-22	1050	128	168	1-10	1280	155	220
11-22	1020	130	175	1-12	1370	168	225
11-29	1160	144	200	1-15	1370	167	220
11-29	1160	145	200	1-17	1290	165	270
12-1	1270	160	195	1-17	1420	186	220
12-4	1310	164	220	1-19	1290	166	268
12-6	1320	162	250	1-22	1260	162	268
12-6	1310	161	227	1-24	1310	181	260
12-8	1330	166	235	1-24	1260	163	240
12-13	1300	169	230	1-26	1230	158	245
12-15	1325	175	222	1-31	950	132	155
12-15	1330	162	220	2-7	1160	167	230
12-20	1270	146	220	2-9	1260	167	220
12-20	1200	150	245	2-12	1250	168	230
12-21	1320	145	220	2-14	1310	178	220
12-25	1350	176	270	2-14	1210	165	220

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 762
Location: North Canadian River below Lake Overholser, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-21-62	1240	167	220	6-13-62	450	37	82
3-2	950	119	150	6-20	1210	186	225
3-7	1090	136	168	6-28	920	133	160
3-9	1250	165	230	7-4	1210	184	220
3-12	1440	179	275	7-11	950	127	155
3-14	1490	190	290	7-19	1150	166	195
3-14	1350	187	295	7-25	1080	146	185
3-16	1330	178	265	8-1	1000	129	175
3-21	1230	171	230	8-8	940	138	160
3-28	1090	140	180	8-15	1010	141	160
4-4	1150	159	205	8-22	1120	150	180
4-12	1180	160	220	8-29	990	136	175
4-18	1180	159	195	9-6	900	119	115
4-25	1140	144	185	9-12	840	107	110
5-2	1190	153	200	9-17	860	110	115
5-4	1300	173	230	9-26	890	119	115
5-9	1070	143	175				
5-16	1010	130	170				
5-23	1160	143	180				
5-31	1130	142	190				
6-6	810	94	140				
6-8	520	52	92				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 368
Location: S. Canadian River at Calvin, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-5-59	1400	310	73	1-6-60	1550	410	165
8-11	730	150	80	1-12	650	140	28
8-18	1080	270	101	1-21	1620	300	-
8-25	2000	450	202	1-28	1600	400	170
9-1	1800	450	180	2-1	1850	450	180
9-8	740	150	57	2-9	1200	250	155
9-14	1150	350	132	2-16	1650	350	160
9-22	1850	600	53	2-25	1900	442	185
9-30	360	60	26	3-4	1700	448	140
10-6	375	70	16	3-9	1600	350	170
10-12	1200	340	105	3-18	1475	310	210
10-21	2500	550	170	3-22	1600	365	275
10-26	2400	620	140	3-30	1750	440	180
11-2	2000	470	140	4-6	1850	335	245
11-9	1500	250	51	4-12	2000	582	165
11-17	2400	610	70	4-18	1140	225	60
11-23	2900	580	115	4-26	2100	630	75
12-1	3000	560	85	5-6	510	134	17
12-7	1500	300	85	6-2	1050	230	75
12-15	2010	550	100	6-9	1460	313	175
12-21	900	150	150	6-15	1420	302	180
12-30	1280	250	140	6-22	1480	265	160

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 368
Location: S. Canadian River at Calvin, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-29-60	2280	665	125
7-7	1390	280	155
7-14	1170	195	180
7-21	1230	280	170
7-27	630	105	78
8-3	797	147	65
8-10	1640	362	150
8-18	1190	198	190
8-24	643	105	82
8-31	734	132	16
9-8	1030	204	98
9-14	1700	440	75
9-21	1440	350	175
9-28	1420	370	150
10-5	1150	265	140
10-12	1540	355	150
10-19	572	112	63
10-26	752	137	115
11-3	949	166	101
11-9	799	124	93
11-14	1450	284	210
11-21	1750	392	195
11-28-60	1610	335	185
12-6	1220	242	165
12-12	585	112	56
12-21	1620	320	225
12-27	1750	392	195
1-3-61	1120	220	155
1-10	1700	348	210
1-16	1800	402	190
1-23	1870	382	245
1-30	2280	540	220
2-7	1640	332	240
2-15	1650	225	-
2-20	1220	278	105
2-27	1410	278	165
3-6	1950	392	-
3-13	1840	338	263
3-20	1690	362	180
3-27	1300	302	150
4-3	1100	215	135
4-10	1620	388	123
4-17	1710	395	265
4-24	1940	485	125

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 368
Location: S. Canadian River at Calvin, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-27-61	2040	515	105	9-11-61	1160	255	70
5-1	1950	505	115	9-18	729	125	68
5-3	2140	565	95	9-25	1280	172	-
5-8	659	121	48	10-2	571	103	42
5-15	1650	385	175	10-9	1570	312	165
5-17	1820	420	180	10-11	517	60	45
5-22	531	97	39	10-17	880	120	130
5-24	975	195	60	10-25	1470	328	100
6-5	1610	405	54	11-6	690	87	100
6-14	1000	180	160	11-13	1174	173	188
6-19	986	172	115	11-20	1060	144	-
6-26	1980	528	71	11-27	1140	220	110
7-3	1460	312	170	12-4	1670	332	190
7-10	845	202	25	12-13	1590	312	150
7-17	746	162	31	12-19	887	147	83
7-24	551	87	45	12-26	1500	205	-
7-31	1190	250	116	1-2-62	1680	373	165
8-7	1620	412	94	1-8	1770	383	200
8-14	1500	322	-	1-12	2360	525	180
8-21	755	149	31	1-15	1900	395	155
8-28	1620	300	270	1-22	1872	428	125
9-5	1695	454	85	1-29	1577	290	200

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 368
Location: S. Canadian River at Calvin, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-5-62	1800	362	245	5-31-62	583	91	37
2-12	1750	340	210	6-2	608	71	70
2-19	1680	335	220	6-4	524	66	48
2-26	1960	450	180	6-5	530	70	46
3-5	1350	280	100	6-11	552	47	94
3-12	1840	395	185	6-18	984	160	120
3-19	1821	432	140	6-25	826	151	54
3-26	1060	208	64	7-2	1092	166	170
4-2	1536	340	100	7-9	1337	257	170
4-9	1676	410	66	7-16	1163	257	102
4-16	1218	225	205	7-23	1148	264	69
4-20	2594	670	164	7-30	2050	555	49
4-23	990	184	126	8-6	1567	287	265
4-30	692	122	44	8-13	1816	357	310
5-7	1591	345	135	8-20	1959	420	315
5-14	2487	590	175	8-27	1887	415	260
5-15	2460	635	110	9-4	894	146	92
5-18	2700	715	68	9-10	877	157	88
5-21	3100	815	50	9-17	771	142	60
5-23	3200	915	44	9-24	840	86	168
5-26	2550	725	46				
5-28	2700	765	40				

Specific Conductance (µmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 367
Location: Little River near Sasakwa, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-4-59	5000	1410	20	1-6-60	2900	1200	36
8-11	880	250	14	1-12	700	160	17
8-18	3000	1030	20	1-21	2600	850	29
8-25	3500	920	12	1-28	2700	900	40
9-1	1300	550	44	2-1	3500	1200	39
9-8	610	160	2	2-9	2100	600	26
9-14	1360	600	15	2-16	3500	1050	35
9-22	3100	1200	20	2-25	2900	830	37
9-30	750	190	14	3-4	3400	1120	36
10-6	350	80	10	3-9	3000	1000	40
10-12	2300	960	60	3-15	3000	940	38
10-21	6000	1600	36	3-22	2800	910	42
10-26	4200	1700	26	3-30	3500	1110	44
11-2	5500	1700	27	4-6	3600	1030	44
11-9	3000	750	23	4-12	3750	1330	46
11-17	4000	1500	38	4-18	1400	410	26
11-23	4500	1300	46	4-26	4000	1260	35
12-1	6000	1450	28	5-6	750	237	12
12-7	4000	1250	23	5-11	1400	390	16
12-15	3400	1300	26	5-19	420	107	13
12-21	1050	350	21	5-26	1900	550	20
12-30	1200	550	26	6-2	2680	960	30

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 367
Location: Little River near Sasakwa, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-9-60	1420	380	55	11-9-60	2730	765	80
6-16	1050	270	26	11-14	3510	1190	80
6-22	3260	925	28	11-21	2740	950	75
6-29	1480	425	34	11-28	3270	1020	70
7-7	7020	2310	46	12-6	1800	585	26
7-14	2350	645	42	12-12	840	205	28
7-21	4110	1270	40	12-19	2920	890	38
7-27	380	70	26	12-27	3070	1000	41
8-3	1050	222	22	1-3-61	1500	395	39
8-10	2380	688	26	1-11	3400	960	44
8-18	3070	885	34	1-16	3340	1070	44
8-24	350	71	31	1-23	3570	1120	55
8-31	680	146	18	1-30	3920	1250	56
9-8	2380	698	24	2-7	3260	1050	48
9-14	3780	1230	29	2-15	2580	740	46
9-21	2880	900	38	2-20	760	160	23
9-28	4510	1680	46	2-27	2420	700	32
10-5	2660	770	45	3-6	4820	1550	41
10-12	3020	925	56	3-13	3470	1060	38
10-19	880	285	20	3-20	3040	940	46
10-26	750	206	31	3-27	1410	380	23
11-1	1550	390	80	4-3	1300	358	20

Specific Conductance (µmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 367
Location: Little River near Sasakwa, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-10-61	1560	408	26
4-17	3070	965	40
4-24	3200	970	40
5-1	3450	1100	45
5-8	1780	525	22
5-15	3870	1280	37
5-22	1150	328	10
5-24	560	113	12
5-29	1320	345	20
6-5	3230	1000	35
6-14	1020	260	25
6-19	1350	360	20
6-26	960	265	20
7-3	3020	940	34
7-10	1240	370	26
7-17	774	170	20
7-24	365	62	22
7-31	1580	438	20
8-7	2830	800	24
8-14	284	830	65
8-16	770	205	20
8-18	600	150	20
8-21-61	1120	305	20
8-28	2790	835	20
9-5	1150	310	19
9-11	2320	668	29
9-13	460	99	9
9-15	410	487	19
9-18	1030	264	15
9-25	3340	380	26
10-2	1530	448	20
10-9	2880	815	27
10-17	1990	560	20
10-25	3820	1190	30
10-31	2600	745	35
11-6	790	168	20
11-13	2530	760	23
11-20	1120	305	28
11-24	690	168	20
11-27	1430	405	20
12-4	2640	750	24
12-13	2280	680	22
12-19	860	202	20
12-26	2330	660	34

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 367
Location: Little River near Sasakwa, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-2-62	3470	1070	34	5-28-62	1810	500	41
1-8	2750	890	20	6-3	500	90	20
1-15	5350	1750	48	6-4	440	73	20
1-22	2330	660	38	6-10	580	313	20
1-29	2117	580	31	6-11	540	65	22
2-5	2980	910	52	6-18	1750	460	28
2-12	2770	830	42	6-25	2010	540	41
2-19	2820	850	40	7-2	1720	475	26
2-24	2770	830	35	7-9	1850	485	32
2-26	2800	860	44	7-16	2110	550	44
3-5	1980	590	31	7-23	3090	910	56
3-12	3330	1090	42	7-30	3460	1080	40
3-19	3200	1000	51	8-6	1750	465	47
3-26	1790	533	27	8-13	2010	570	45
4-2	2690	900	55	8-20	2420	685	41
4-9	3200	910	47	8-27	2650	830	31
4-16	2060	590	35	9-4	3280	1040	26
4-23	1050	262	20	9-10	1510	420	37
4-30	740	152	23	9-17	1190	350	20
5-7	2610	770	30	9-24	1010	250	20
5-14	3580	1030	42				
5-21	4050	1250	42				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 763
Location: Salt Creek of Little River near DeWright, Oklahoma
Basin: Arkansas
Tributary to:

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-5-59	12000	3650	30	1-6-60	4800	1650	42
8-11	7600	2800	28	1-12	640	150	14
8-18	14000	7150	42	1-21	5000	2100	49
8-25	4000	1600	14	1-28	5000	2000	55
9-1	3200	1500	21	2-1	6000	2150	62
9-8	3800	1650	16	2-9	5000	1550	41
9-14	4000	2250	27	2-16	6000	2100	53
9-22	6000	2600	29	2-25	6000	1830	51
9-30	3700	1550	15	3-4	6000	2020	62
10-6	1550	560	14	3-9	4900	1758	51
10-12	5000	2900	70	3-22	7250	2350	59
10-21	10200	3400	60	3-30	6500	2350	59
10-26	11000	3350	38	4-6	8000	2650	66
11-2	8000	2750	35	4-11	8500	2900	62
11-9	5300	1900	35	4-18	3050	1040	28
11-17	7500	3000	59	4-26	6300	2430	48
11-23	8500	3150	62	5-6	800	257	13
12-1	4000	3100	39	5-11	4100	1590	21
12-7	8500	3050	37	5-20	340	69	14
12-15	7100	3300	38	5-27	5000	1790	60
12-21	4500	1450	40	6-2	4780	1710	30
12-30	3600	1300	35	6-9	6200	2280	65

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 763
Location: Salt Creek of Little River near DeWright, Oklahoma
Basin: Arkansas
Tributary to:

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-16-60	6600	2450	60
6-22	10200	3480	70
6-29	7760	2820	57
7-7	2920	915	28
7-14	8540	2950	63
7-22	11900	4400	80
7-27	2640	830	26
8-3	5530	1820	41
8-10	7330	2600	57
8-18	1960	605	23
8-24	2330	730	30
8-31	5770	1900	36
9-8	10000	3700	66
9-14	13600	5050	62
9-21	14400	6350	95
9-28	6020	2150	44
10-5	7700	2825	53
10-12	11700	4425	75
10-19	800	258	17
10-26	3670	1270	28
11-1	3430	1100	30
11-9	9100	2980	85
11-14-60	8850	3350	110
11-21	8950	3750	100
11-28	8810	3100	105
12-5	8140	3180	90
12-6	1170	335	32
12-12	1380	420	26
12-19	6030	2075	105
12-27	6650	2500	85
1-3-61	3620	1180	41
1-11	6690	2150	65
1-16	6360	2110	63
1-23	8030	2820	68
1-30	8920	3280	90
2-7	5950	2080	68
2-15	7080	2550	78
2-20	4610	1580	48
2-27	6600	2275	63
3-6	1720	490	34
3-13	7580	2570	60
3-20	5260	1800	56
3-27	2510	765	36
4-3	3020	970	34

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 763
Location: Salt Creek of Little River near DeWright, Oklahoma
Basin: Arkansas
Tributary to:

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-10-61	2750	850	31	8-16-61	610	170	20
4-17	5360	1840	42	8-18	1270	380	20
4-24	5830	1980	53	8-21	2650	815	20
5-1	6920	2425	58	8-28	5540	1900	29
5-8	2880	930	19	9-5	1740	525	24
5-15	6020	2180	58	9-6	1890	555	18
5-22	1120	318	16	9-11	5060	1650	31
5-29	5090	1700	35	9-13	680	169	19
6-5	6820	2410	49	9-15	1680	80	16
6-14	1560	488	20	9-18	3230	110	22
6-14	1340	405	20				
6-14	1280	380	20				
6-14	1160	340	20				
6-19	3170	956	27				
6-26	6560	2270	45				
7-3	7280	2680	58				
7-10	3030	980	20				
7-17	2790	880	19				
7-24	1130	320	20				
7-31	3620	1190	27				
8-7	8490	3200	64				
8-14	5510	1800	41				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 366
Location: Little River near Tecumseh, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-4-59	930	150	40	12-30-59	740	90	30
8-11	540	90	25	1-6-60	775	120	30
8-18	900	230	73	1-12	350	40	23
8-25	1100	260	52	1-21	825	150	29
9-1	550	100	25	1-28	810	200	35
9-8	520	90	26	2-1	950	150	32
9-14	900	200	42	2-10	900	90	26
9-22	1400	330	75	2-16	850	110	28
9-25	145	30	30	2-25	960	120	36
9-30	540	80	16	3-4	870	137	34
10-6	400	50	14	3-9	700	84	28
10-12	750	100	26	3-14	850	117	32
10-20	1100	120	33	3-22	840	100	34
10-26	1120	170	22	3-30	880	121	37
11-2	925	120	20	4-6	1050	142	39
11-9	1100	110	30	4-11	1000	153	39
11-17	1000	120	40	4-18	740	81	26
11-23	1200	120	35	4-26	800	107	29
12-1	1380	130	23	5-6	165	16	-
12-9	925	110	22	5-11	700	94	22
12-15	900	130	22	5-20	170	31	11
12-21	610	60	22	5-29	750	83	25

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 366
Location: Little River near Tecumseh, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-2-60	690	79	26
6-10	660	80	27
6-15	480	59	20
6-16	475	66	26
6-22	910	112	38
6-29	750	113	34
7-7	825	94	35
7-14	1090	240	60
7-22	600	112	28
7-28	300	30	27
8-3	630	84	33
8-10	970	148	55
8-19	410	37	20
8-24	500	77	27
8-31	790	100	33
9-8	990	160	53
9-15	1160	202	68
9-21	950	168	62
9-28	1040	204	59
10-5	1060	222	60
10-12	1250	265	73
10-19	290	25	26
10-26-60	890	138	41
11-1	650	73	35
11-7	970	128	48
11-14	990	134	53
11-21	1000	141	40
11-28	920	123	44
12-5	490	60	32
12-12	443	92	35
12-19	880	97	40
12-27	880	106	36
1-3-61	740	80	33
1-11	960	123	40
1-16	900	117	40
1-23	930	112	48
1-30	1000	120	48
2-7	830	106	37
2-15	920	116	42
2-20	610	61	25
2-27	830	91	36
3-6	450	56	41
3-13	910	106	38
3-20	780	92	35

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 366
Location: Little River near Tecumseh, Oklahoma
Bas'n: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
3-27-61	750	89	20				
4-3	680	70	25				
4-10	630	61	22				
4-17	820	102	33				
4-24	880	116	35				
5-1	920	134	43				
5-8	380	40	23				
5-15	870	120	38				
5-22	250	22	18				
5-29	830	116	36				
6-5	770	104	34				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 838
Location: South Canadian River at Purcell, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-31-59	680	100	98	12-30-59	1400	230	300
8-11	760	120	140	1-6-60	1200	210	250
8-17	800	110	180	1-12	1350	160	260
8-24	1800	420	190	1-21	1400	250	260
9-1	1150	240	150	1-28	1550	200	340
9-8	1100	230	120	2-1	1600	300	370
9-14	1300	220	168	2-10	1600	210	260
9-22	980	110	125	2-16	1500	240	280
9-25	480	90	35	2-25	1700	234	400
9-30	600	70	68	3-4	1500	192	320
10-6	400	50	59	3-9	1400	166	350
10-12	900	130	250	3-24	1500	203	390
10-20	1650	250	350	3-30	1350	188	420
10-26	1500	110	260	4-7	1820	178	510
11-4	750	120	120	4-11	1430	195	370
11-12	1400	70	300	4-26	1030	92	280
11-16	1250	90	360	5-6	330	26	62
11-23	1500	90	340	5-10	900	67	175
12-1	1500	80	220	5-20	280	16	32
12-9	1100	80	180	5-29	1010	77	230
12-15	1050	70	240	6-2	1140	99	410
12-21	1400	290	270	6-10	840	61	255

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 838
Location: South Canadian River at Purcell, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-16-60	1160	209	185	11-14-60	1480	210	375
6-22	1460	240	185	11-21	1520	242	375
6-29	1110	172	200	11-28	1500	235	365
7-7	970	119	220	12-5	940	115	190
7-14	1060	159	175	12-12	1030	125	225
7-22	1150	196	175	12-19	1650	292	325
7-26	1230	222	180	12-27	1720	320	330
8-4	1530	320	49	1-3-61	1580	255	340
8-10	1050	186	175	1-11	1730	288	355
8-19	1050	166	175	1-16	1720	283	375
8-24	1070	172	155	1-23	1850	285	430
8-31	720	96	125	2-2	1830	258	450
9-8	1260	200	210	2-7	1410	184	350
9-15	1210	149	340	2-15	1670	298	375
9-21	1630	342	275	2-20	1420	262	290
9-28	1450	290	245	2-27	1720	262	375
10-5	1250	250	185	3-6	2000	348	380
10-12	1260	245	205	3-13	1920	313	410
10-19	440	56	82	3-20	1320	148	340
10-26	1020	160	33	3-27	1790	330	320
11-2	1060	150	210	4-3	1600	282	350
11-7	1340	192	265	4-10	1540	263	310

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 838
Location: South Canadian River at Purcell, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-17-61	1680	278	370				
4-24	1510	225	350				
5-1	1290	146	340				
5-8	1090	116	320				
5-15	1660	244	420				
5-22	960	101	280				
5-29	1040	74	260				
6-5	950	95	280				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 364
Location: Canadian River at Bridgeport, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-28-59	1510	50	650	3-22-60	1960	240	550
11-4	1500	90	380	3-28	1800	197	620
11-12	1700	40	570	4-4	1800	193	500
11-16	740	60	200	4-11	1490	82	680
11-23	1600	50	57	4-20	1400	37	700
12-2	1600	50	570	4-26	1425	32	700
12-7	1600	40	390	5-3	1010	32	450
12-15	1500	50	260	5-12	1170	26	290
12-21	1950	330	160	5-16	1310	31	570
12-28	1850	260	330	5-25	1225	52	490
1-7-60	2200	300	370	6-1	1000	77	350
1-14	1150	200	210	6-9	1020	92	370
1-19	2500	350	350	6-13	1270	268	200
1-26	2000	350	380	6-22	1660	255	250
2-1	2200	500	270	7-1	1330	122	450
2-10	2200	400	290	7-5	857	77	240
2-16	1950	280	340	7-12	1140	184	200
2-23	2300	280	460	7-21	1350	244	250
3-2	2500	249	600	7-25	1060	188	190
3-7	2250	218	620	8-1	1900	394	290
3-14	1875	323	350	8-11	1230	210	290
3-18	1900	255	440	8-18	898	129	190

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 364
Location: Canadian River at Bridgeport, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-25-60	700	129	140	1-25-61	2460	402	630
8-31	937	65	265	2-1	1640	245	500
9-6	1210	162	285	2-9	1670	240	460
9-12	1170	137	350	2-13	1710	322	360
9-21	1590	295	280	2-20	1780	288	410
9-26	1280	254	255	3-1	2000	385	340
10-3	1430	272	240	3-6	1930	330	380
10-10	1390	262	250	3-13	1850	270	430
10-17	1040	188	190	3-20	1800	178	430
10-24	1150	190	195	3-27	1970	400	320
10-31	1270	192	245	4-3	1600	285	320
11-9	1680	230	365	4-10	1635	268	405
11-14	1620	324	400	4-17	1890	310	480
11-21	1830	315	450	4-24	1620	154	580
12-1	1730	235	525	5-1	1220	33	510
12-5	1640	246	460	5-3	1340	-	-
12-12	1410	205	410	5-8	1780	319	390
12-19	1820	342	380	5-10	1610	-	-
12-27	1790	362	390	5-15	2030	216	690
1-3-61	1740	305	440	5-17	1690	-	-
1-9	1910	302	450	5-22	1360	52	650
1-16	1890	322	510	5-24	1540	-	-

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 364
Location: Canadian River at Bridgeport, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-29-61	1440	64	660	8-31-61	1263	101	460
5-31	1380	-	-	9-2	1098	25	490
6-5	908	86	280	9-5	1000	29	365
6-12	1510	260	230	9-7	1070	19	380
6-21	1440	103	570	9-9	1100	55	370
6-28	1270	36	620	9-11	1123	26	440
7-5	1290	30	630	9-12	1080	23	435
7-10	1340	88	560	9-14	1270	155	345
7-17	1920	372	290	9-16	1620	230	440
7-24	1490	248	270	9-18	1900	317	460
7-31	1540	222	335	9-19	993	106	250
8-7	814	51	270	9-21	2142	324	450
8-14	637	14	205	9-23	914	39	250
8-15	749	13	240	9-25	993	106	250
8-17	875	15	290	9-26	1087	110	320
8-19	899	16	300	9-28	1515	198	425
8-21	877	490	240	9-30	1839	278	430
8-22	1400	170	-	10-2	1734	234	435
8-24	1860	365	-	10-3	1740	242	420
8-26	1770	305	-	10-5	1570	184	420
8-28	1700	258	400	10-7	1520	138	480
8-29	1575	216	420	10-9	1280	74	450

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 364
Location: Canadian River at Bridgeport, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-10-61	495	28	104
10-12	788	64	200
10-14	706	31	235
10-17	1340	144	370
10-17	1320	144	320
10-19	1270	101	380
10-21	1160	50	390
10-24	1240	29	460
10-25	1260	26	480
10-26	1300	24	540
10-28	1280	23	530
10-31	650	28	195
10-31	639	30	190
11-2	430	20	92
11-4	624	46	180
11-6	1130	65	440
11-7	1222	75	450
11-9	1655	215	440
11-11	1879	258	520
11-13	2010	268	530
11-14	2010	240	580
11-16	1400	140	380
11-18-61	1750	228	460
11-20	2010	380	345
11-21	2150	358	360
11-23	2175	350	435
11-25	2300	375	435
11-27	2200	345	445
11-28	2150	340	440
11-30	2150	315	440
12-2	2150	305	440
12-4	1960	248	470
12-5	2000	268	530
12-7	2000	280	490
12-9	1880	248	425
12-13	2200	245	730
12-14	2225	225	680
12-19	1800	160	550
12-26	1990	279	530
12-26	2400	518	410
12-30	2100	326	560
1-2-62	1900	211	570
1-4	2000	260	550
1-8	1800	207	500

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 364
Location: Canadian River at Bridgeport, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-15-62	2150	200	600
1-22	2110	183	-
1-23	1994	180	-
1-29	1578	200	480
2-1	2400	530	-
2-3	2900	685	-
2-5	1920	305	450
2-6	2150	394	455
2-12	2010	254	540
2-19	1660	198	600
2-26	1710	180	610
3-5	1680	142	580
3-12	1770	170	690
3-19	1412	60	690
3-26	1287	46	620
4-2	1417	30	690
4-9	1900	100	-
4-16	2534	540	690
4-17	2812	520	640
4-19	2497	466	600
4-23	1584	111	640
4-30	1888	166	710
5-1-62	1978	211	740
5-7	1411	60	600
5-14	1215	24	630
5-21	1278	25	580
5-26	2071	264	700
5-28	983	21	450
6-4	882	34	355
6-11	656	54	170
6-18	1337	73	490
6-25	1387	193	360
7-2	1442	167	420
7-9	1196	23	580
7-16	1087	20	455
7-23	961	35	355
7-30	2540	502	490
8-7	1673	317	300
8-13	1900	339	340
8-23	1114	46	410
8-27	980	22	-
9-4	780	49	220
9-10	692	33	190
9-17	896	24	290
9-24	1182	153	270

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 363
Location: North Canadian River near Canadian, Texas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-30-59	960	165	-	4-19-60	990	170	70
11-3	2250	708	245	4-27	670	79	11
11-18	1575	350	80	5-3	600	78	15
12-9	1800	410	135	5-11	625	79	11
12-15	2000	525	200	5-16	675	68	7
12-22	1600	375	135	5-24	645	55	10
12-29	2500	295	235	6-1	2560	678	295
1-6-60	2100	580	280	6-7	1690	411	195
1-14	1850	510	200	6-14	950	195	130
1-21	2700	680	340	6-21	2320	480	200
1-26	1600	380	180	6-29	2860	695	355
2-3	1900	460	300	7-8	990	182	110
2-9	2000	470	240	7-13	970	175	110
2-16	2100	500	250	7-21	1080	176	85
2-23	2050	510	260	7-25	2140	480	250
3-3	2500	675	280	8-3	2280	525	295
3-7	2040	600	230	8-9	2970	740	355
3-17	2050	520	170	8-18	640	111	71
3-24	1480	475	180	8-24	1710	370	195
3-28	2600	735	270	8-30	2010	466	250
4-6	750	106	110	9-8	1970	500	240
4-11	640	77	20	9-14	1780	368	330

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 363
Location: North Canadian River near Canadian, Texas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-20-60	1840	375	265	2-20-61	2090	468	250
9-27	1140	230	170	2-27	1860	340	300
10-4	1740	415	220	3-8	1900	342	300
10-11	1550	388	200	3-15	2080	398	67
10-19	990	218	125	3-21	2010	460	250
10-25	1230	233	165	3-27	2080	442	330
11-2	1840	388	230	4-3	2050	465	240
11-8	2310	102	300	4-10	2260	530	280
11-15	2550	660	340	4-17	2530	615	380
11-23	2550	730	310	4-24	2640	575	430
11-29	2770	710	340	4-26	2840	610	420
12-7	2760	775	320	5-1	2620	580	460
12-14	2450	630	280	5-8	1710	355	240
12-21	2400	535	370	5-15	660	62	20
12-29	2150	525	330	5-22	670	67	4
1-4-61	2200	520	330	5-29	710	80	6
1-11	2350	525	330	6-5	1470	309	165
1-18	2250	520	350	6-5	1620	346	185
1-25	3100	715	440	6-12	2120	500	245
2-1	2110	485	300	6-19	2720	645	320
2-8	2220	520	290	7-10	3290	865	350
2-15	2120	465	320	7-17	1320	252	185

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 363
Location: North Canadian River near Canadian, Texas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-24-61	1560	303	220	10-9-61	1280	228	205
7-31	2200	435	310	10-17	1790	375	210
8-14	1210	220	125	10-31	1140	208	160
8-15	1420	270	185	11-4	2610	575	380
8-21	1350	245	145	11-6	2240	465	270
8-22	1290	240	105	11-18	2420	585	295
8-24	1250	233	-	11-20	2250	515	285
9-5	1840	313	355	11-28	2010	435	280
9-7	1580	246	280	12-2	2360	570	235
9-11	1680	263	300	12-4	2110	465	280
9-12	1570	268	290	12-20	2490	570	280
9-14	1680	280	340	12-28	2410	580	280
9-16	1600	268	315	12-30	2420	560	290
9-18	1600	260	310	1-2-62	2240	508	285
9-19	1700	250	310	1-6	2670	615	250
9-21	1785	285	300	1-15	2650	595	250
9-23	1700	245	360	1-18	2440	613	270
9-25	1650	243	350	1-29	1990	505	220
9-26	1515	235	280	2-1	2530	625	280
9-28	1490	235	310	2-6	2410	555	280
9-30	1660	268	330	2-8	2490	640	270
10-2	1690	278	340	2-10	2540	645	280

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 363
Location: North Canadian River near Canadian, Texas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-12-62	2430	565	285	4-21-62	2720	645	315
2-17	2400	645	255	4-23	2530	555	320
2-20	2610	660	305	5-7	2250	480	290
2-22	2620	700	312	6-18	2040	445	265
2-24	2460	645	310	7-2	2800	620	410
2-26	2150	525	247	7-30	1600	320	220
3-1	2280	560	250	8-13	2320	555	285
3-6	2340	565	270	8-23	1610	355	140
3-8	2670	710	310	9-4	780	98	220
3-12	2840	715	360	9-10	2490	630	260
3-13	3010	770	385	9-24	2640	685	330
3-15	2440	640	265				
3-26	1350	262	112				
3-31	2400	615	260				
4-3	2540	680	275				
4-7	3490	925	455				
4-9	3010	815	415				
4-10	2500	625	315				
4-12	2730	680	315				
4-14	3000	790	330				
4-17	2880	730	360				
4-19	2530	650	320				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 362
Location: Canadian River near Amarillo, Texas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-30-59	1575	350	-	4-19-60	1020	102	105
11-3	2000	450	310	4-27	1175	117	95
11-18	1320	225	110	5-4	1000	102	80
12-9	1400	180	155	5-11	1000	117	63
12-15	1750	325	230	5-16	950	80	88
12-22	1200	200	125	5-24	1075	97	80
12-29	2000	295	235	6-1	1020	115	86
1-6-60	1900	400	97	6-7	530	80	-
1-13	1650	340	83	6-15	720	106	125
1-20	2300	500	122	6-22	2040	318	300
1-27	1400	270	131	6-30	1030	142	165
2-2	1700	310	300	7-7	460	40	70
2-9	1400	250	270	7-13	680	93	101
2-16	1900	325	320	7-21	1500	271	240
2-24	2700	526	560	7-26	1720	305	300
3-3	2700	370	570	8-3	1900	350	355
3-8	1850	350	310	8-10	380	44	62
3-15	1900	328	300	8-18	1180	180	210
3-23	980	130	160	8-24	2000	380	330
3-29	1850	345	310	8-30	2390	490	375
4-5	1100	119	170	9-8	2310	470	430
4-12	1010	102	85	9-14	1130	154	265

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 362
Location: Canadian River near Amarillo, Texas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-20-60	1860	330	340	2-20-61	1980	352	400
9-27	960	132	190	2-28	1160	128	285
10-3	1900	388	330	3-7	1390	170	320
10-11	2000	420	365	3-15	1460	194	313
10-19	510	50	86	3-21	1270	183	240
10-25	1100	300	190				
11-3	1980	356	350				
11-8	2140	377	375				
11-15	2390	502	450				
11-23	2290	540	410				
11-30	2370	530	440				
12-6	2400	530	480				
12-13	1800	302	350				
12-21	1730	258	390				
12-28	1930	365	410				
1-4-61	2010	373	440				
1-10	2190	378	420				
1-18	2180	415	450				
1-24	2220	410	420				
2-1	2220	492	490				
2-8	2160	395	440				
2-14	2080	365	430				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 361
Location: Canadian River at Logan, New Mexico
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-1-59	1500	190	-	4-27-60	1700	247	400
11-4	1550	225	365	5-4	2050	382	530
11-19	3090	825	700	5-10	2700	590	360
12-9	2250	425	460	5-17	2900	575	530
12-22	1700	230	260	5-24	5000	1340	680
12-29	2800	385	430	6-1	3620	715	930
1-5-60	2900	690	590	6-7	330	27	-
1-13	2200	450	540	6-15	1010	144	200
1-20	2500	600	480	6-22	4750	1020	600
1-27	1900	350	620	6-30	1680	302	275
2-2	2250	450	520	7-7	410	23	73
2-9	2500	450	700	7-14	740	86	135
2-17	3000	525	640	7-20	1140	145	180
2-24	4000	840	900	7-26	800	84	175
3-3	3300	1245	680	8-2	3810	865	590
3-8	3000	560	680	8-10	320	20	66
3-16	3500	703	820	8-18	2120	380	355
3-23	4200	870	760	8-23	3380	720	525
3-29	3000	580	740	8-30	3050	628	490
4-5	4800	1040	820	9-8	2470	465	525
4-12	5000	1370	760	9-13	1620	250	350
4-19	4000	880	900	9-20	1960	440	400

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 361
Location: Canadian River at Logan, New Mexico
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-28-60	1780	338	420	2-28-61	800	32	245
10-4	2380	440	505	3-7	890	46	270
10-11	550	77	98	3-14	1070	84	305
10-19	510	30	100	3-21	1100	92	310
10-27	1900	292	450				
11-3	2820	470	570				
11-8	1550	201	365				
11-16	2890	508	700				
11-22	2800	550	660				
11-30	2750	520	660				
12-6	2390	385	660				
12-13	1580	180	460				
12-20	1480	148	440				
12-28	1280	133	420				
1-4-61	1370	143	460				
1-10	1670	200	480				
1-17	1580	216	480				
1-24	1600	180	450				
1-31	1390	114	460				
2-8	1330	124	460				
2-14	1240	113	380				
2-21	810	42	270				

Specific Conductance (µmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 283
Location: Verdigris River near Inola, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-6-59	280	30	17	3-24-60	600	66	41
9-23	780	180	24	3-28	475	69	40
10-27	350	60	25	4-4	560	58	40
11-3	850	120	29	4-13	600	101	50
11-10	1000	140	55	4-28	650	98	65
11-18	890	160	37	5-3	450	71	25
11-24	1200	170	66	5-11	420	61	17
12-2	1250	180	62	5-17	610	96	46
12-8	1050	190	35	5-24	455	63	35
12-15	1300	190	37	6-1	310	42	27
12-22	490	100	27	6-7	470	66	35
12-28	750	100	35	6-14	470	62	30
1-5-60	750	140	65	6-21	670	93	29
1-14	900	140	62	6-28	680	102	40
1-19	630	100	55	7-6	440	89	30
1-27	760	130	63	7-12	710	132	45
2-3	800	120	62	7-19	810	152	40
2-8	500	70	37	7-25	490	95	31
2-15	600	90	51	8-3	800	143	65
2-23	710	116	56	8-9	730	116	65
3-3	825	149	63	8-16	760	163	28
3-7	850	156	66	8-23	490	63	39

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 283
Location: Verdigris River near Inola, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-30-60	700	148	30	1-31-61	940	206	66
9-6	370	56	21	2-8	920	198	70
9-13	670	134	27	2-13	1000	208	66
9-20	760	160	30	2-22	720	120	57
9-26	800	172	36	2-28	750	140	45
10-3	760	164	41	3-8	640	104	50
10-11	870	218	32	3-14	450	55	41
10-18	650	123	42	3-21	670	104	60
10-25	580	139	34	3-28	550	96	36
11-1	420	63	34	4-5	470	68	41
11-8	480	74	30	4-11	600	107	50
11-15	590	101	35	4-18	520	64	48
11-22	630	143	34	4-25	320	42	32
11-29	560	105	34	5-2	360	42	35
12-7	610	94	41	5-10	160	280	27
12-14	360	43	63	5-11	160	10	20
12-20	600	90	42	5-16	290	30	22
12-28	670	130	42	5-23	220	20	20
1-4-61	740	129	56	5-30	310	26	20
1-9	780	135	56	6-5	340	40	24
1-17	780	129	60	6-13	400	48	27
1-24	870	161	65	6-20	420	50	32

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 283
Location: Verdigris River near Inola, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-27-61	610	85	37	9-27-61	260	22	20
7-4	660	128	38	9-29	270	27	20
7-11	450	63	27	10-3	290	26	20
7-19	240	29	27	10-11	540	66	24
7-25	330	37	22	10-18	370	36	20
8-2	370	46	29	10-26	550	64	28
8-9	500	78	22	11-2	360	37	24
8-16	200	22	20	11-5	330	48	24
8-16	160	23	20	11-7	260	22	20
8-22	550	80	28	11-8	250	25	20
8-29	540	70	26	11-15	390	46	23
9-7	230	27	24	11-21	360	42	28
9-7	230	26	25	11-29	420	43	24
9-8	250	29	26	12-6	530	71	28
9-13	400	46	34	12-15	550	61	40
9-15	150	16	19	12-20	440	51	36
9-17	200	32	24	12-27	580	79	60
9-20	190	15	13	1-2-62	2840	460	46
9-20	220	14	31	1-4	1020	115	52
9-22	250	14	25	1-10	806	124	54
9-24	290	21	40	1-14	3350	520	120
9-26	340	25	35	1-17	770	108	43

Specific Conductance (µmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 283
Location: Verdigris River near Inola, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-23-62	880	143	60	5-9-62	680	103	37
1-31	440	505	38	5-15	930	144	66
2-7	650	102	44	5-23	1010	186	58
2-10	2510	385	41	5-29	1080	218	56
2-14	690	99	44	5-29	1010	192	56
2-19	3070	500	54	6-5	780	118	53
2-20	810	125	59	6-13	500	75	36
2-22	7160	850	46	6-19	550	78	35
2-28	770	114	54	6-27	650	99	39
3-6	850	150	66	7-4	570	76	35
3-13	840	139	65	7-10	740	119	35
3-17	6470	910	68	7-18	620	88	43
3-20	770	127	66	7-24	690	122	34
3-24	1480	320	49	8-1	750	154	32
3-28	560	76	53	8-7	1010	223	38
3-31	3580	525	53	8-15	870	188	43
4-2	640	87	54	8-21	880	191	38
4-3	3480	490	49	8-28	1230	310	29
4-10	630	94	53	9-6	850	169	42
4-17	670	98	63	9-11	400	81	20
4-25	710	98	65	9-18	330	50	24
5-1	760	134	53	9-25	330	39	20

Specific Conductance (µmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 770
Location: Arkansas River at Haskell, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-21-61	1170	250	102	9-19-61	368	48	42
6-27	1830	438	145	9-20	486	61	80
7-4	2530	675	185	9-22	747	124	57
7-11	1290	305	92	9-26	851	153	66
7-18	849	190	62	9-27	907	188	56
7-25	1160	240	82	9-29	1250	272	92
8-1	1110	262	84	10-2	715	126	54
8-8	1760	482	100	10-3	731	135	62
8-16	1090	245	60	10-4	872	164	73
8-22	1630	400	96	10-6	1300	268	92
8-23	1960	510	355	10-9	1620	350	122
8-25	1570	410	90	10-10	1540	338	118
8-28	1050	240	52	10-11	1610	385	105
8-29	1740	460	120	10-13	449	76	29
9-1	2050	516	140	10-16	403	54	32
9-4	1615	392	132	10-18	497	78	39
9-6	1660	363	120	10-18	526	83	46
9-6	1860	454	155	10-20	723	129	64
9-12	1600	341	114	10-23	1150	232	90
9-13	1043	231	88	10-25	1310	285	96
9-15	408	64	38	10-26	1510	340	114
9-18	343	44	37	11-1	1760	430	136

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 770
Location: Arkansas River at Haskell, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
11-1-61	1770	425	136	12-30-61	2420	628	185
11-3	1670	390	134	2-5-62	984	226	72
11-6	351	54	28	2-6	1240	305	88
11-7	415	64	34	2-7	1400	340	106
11-8	484	94	43	2-9	1730	440	110
11-10	923	202	66	2-12	1860	445	130
11-11	1459	373	88	2-13	1990	470	165
11-13	1687	418	114	2-14	1980	470	185
11-14	1732	415	124	2-20	2260	545	210
11-15	1680	430	128	2-23	2040	475	175
11-17	1470	358	104	2-28	2390	575	222
11-20	1090	242	92	2-28	2390	575	222
11-21	861	186	71	2-28	2300	580	220
11-28	2080	540	110	3-6	2420	605	215
12-5	2160	545	170	3-7	2360	575	220
12-14	1770	415	142	3-13	2410	590	235
12-15	1830	400	135	3-20	2580	660	250
12-20	1370	305	110	3-21	2410	610	240
12-20	1390	298	114	3-23	1830	540	185
12-25	1627	405	155	3-26	1730	430	165
12-27	1881	495	175	3-27	1470	340	134
12-28	2060	513	175	3-28	1607	355	168

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 770
Location: Arkansas River at Haskell, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
3-30-62	1899	440	175	5-30-62	2602	680	200
4-3	1983	510	210	6-1	2215	595	145
4-4	2110	520	215	6-4	652	113	47
4-10	2516	650	245	6-5	479	76	37
4-13	1746	455	145	6-6	604	100	58
4-16	2862	780	270	6-8	931	220	72
4-17	2081	515	220	6-11	1287	328	77
4-18	1812	415	205	6-12	1026	243	76
4-20	2374	575	230	6-19	2747	745	185
4-23	2871	755	220	6-26	2199	590	150
4-24	2099	530	180	7-3	2616	690	230
4-30	2106	520	175	7-10	2709	715	190
5-1	2384	595	200	7-17	718	141	66
5-3	2162	525	185	7-24	770	162	68
5-7	2366	585	215	7-31	841	190	66
5-8	2815	715	250	8-7	1846	482	110
5-9	2989	740	260	8-14	1954	530	100
5-15	3469	900	285	8-21	2141	560	155
5-21	3083	790	250	8-28	2183	585	155
5-22	2968	785	240	9-5	1108	255	82
5-28	2781	725	225	9-11	863	172	82
5-29	2637	700	220	9-18	956	222	63
				9-25	3325	1010	140

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 259
Location: Arkansas River at Tulsa, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-6-59	1700	400	110	3-24-60	1000	160	130
9-3	1300	350	56	3-28	660	115	120
10-27	2100	500	150	4-4	1150	185	150
11-3	2500	570	110	4-13	1850	452	265
11-10	3000	740	100	4-22	1270	262	175
11-18	2700	730	135	4-28	2000	500	230
11-24	4000	780	240	5-3	2600	815	325
12-2	3000	750	275	5-11	470	127	42
12-8	3000	730	150	5-16	1450	402	170
12-16	3400	780	170	5-24	1650	368	170
12-22	1000	250	85	5-31	1068	258	115
12-28	3200	650	250	6-7	1922	493	210
1-5-60	1800	510	250	6-13	1570	375	140
1-14	3100	670	250	6-20	1570	328	160
1-19	1325	290	175	6-27	1280	305	140
1-27	2500	680	195	7-5	1110	220	170
2-3	2600	650	205	7-11	1420	335	190
2-8	850	160	110	7-19	2700	705	230
2-15	1350	310	180	7-25	1680	405	145
2-23	2200	523	300	8-3	1110	238	130
3-3	2500	700	330	8-9	1800	430	150
3-7	2500	655	285	8-15	1510	370	130

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 259
Location: Arkansas River at Tulsa, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-22-60	2700	735	220	1-24-61	3340	930	300
8-29	230	40	38	1-31	3010	1010	310
9-6	1290	304	130	2-8	2800	790	280
9-13	1780	430	170	2-13	3320	940	310
9-20	1760	412	175	2-22	2220	575	190
9-26	2020	560	175	2-28	1970	475	165
10-3	1560	430	135	3-8	1690	420	110
10-10	2770	770	190	3-14	2890	755	228
10-17	2940	835	210	3-21	2770	770	240
10-25	1120	275	93	3-29	1500	350	140
11-1	713	154	100	4-5	1430	339	160
11-8	1080	240	95	4-12	1750	412	180
11-15	2080	570	205	4-18	1260	285	120
11-22	2540	740	225	4-25	2130	545	200
11-29	2690	750	225	5-2	1720	415	160
12-7	2720	740	190	5-10	358	52	42
12-14	1850	430	160	5-17	1430	318	140
12-20	1790	422	175	5-23	909	182	80
12-29	3320	1020	240	5-30	1290	288	115
1-4-61	3050	840	280	6-6	967	220	80
1-9	3200	830	265	6-13	1170	265	100
1-17	3180	845	280	6-21	1180	260	96

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 258
Location: Cimarron River near Mannford, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-30-59	630	220	20	12-28-59	5000	1900	320
8-12	2500	810	98	1-5-60	7000	2150	360
8-19	5800	1950	176	1-14	7000	1700	280
8-26	8800	3750	420	1-19	4250	1500	340
4-2	8000	3800	340	1-28	7000	2100	350
9-9	2000	750	120	2-3	8500	2900	490
9-15	5500	2450	400	2-9	3900	1200	310
9-23	8500	3900	255	2-17	5800	1700	570
9-25	2200	800	53	2-23	6400	1784	630
10-1	1800	510	56	3-4	5700	1710	420
10-7	630	180	30	3-7	5500	1740	530
10-14	2000	820	155	3-24	8000	2560	620
10-22	8000	2000	400	3-28	6600	1970	570
10-27	6250	1800	300	4-5	4600	1330	490
11-3	7000	2100	200	4-13	5200	1810	500
11-11	7000	2100	210	4-28	4400	1660	400
11-18	6500	2650	260	5-3	2300	725	200
11-25	7600	2350		5-11	5200	1770	230
12-1	7500	2400	440	5-17	2600	920	200
12-8	8500	2300	160	5-24	3450	990	280
12-16	6000	2500	310	5-31	1710	475	170
12-22	1300	400	150	6-7	2230	595	190

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 258
Location: Cimarron River near Mannford, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-13-60	2840	760	300	11-15-60	6490	2100	430
6-22	4370	1150	360	11-22	6270	2180	430
6-27	5280	1510	390	11-29	7260	2350	440
7-5	5100	1620	350	12-7	6290	2120	350
7-14	2800	750	260	12-14	3930	1120	300
7-20	2190	580	85	12-20	7180	2275	530
7-25	1590	110	140	12-29	9560	3350	560
8-3	912	196	250	1-4-61	8510	2750	620
8-9	3350	970	250	1-9	8060	2500	550
8-15	5240	1460	660	1-17	8190	2620	570
8-25	5360	1630	510	1-24	8590	2820	630
8-29	740	192	59	2-1	7750	2520	570
9-7	1760	450	145	2-8	7160	2425	570
9-13	4190	1260	255	2-13	8200	2780	600
9-19	4580	1250	480	2-22	6390	2060	360
9-26	6540	2070	458	2-28	7160	2350	450
10-3	5080	1640	420	3-8	9460	3900	520
10-10	8740	3100	450	3-14	8510	2700	525
10-17	6690	2200	390	3-21	7360	3050	490
10-24	2760	840	195	3-29	8050	2680	510
11-1	2410	695	155	4-5	4820	1500	480
11-8	3150	860	255	4-12	5200	1590	415

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 258
Location: Cimarron River near Mannford, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-13-60	2840	760	300	11-15-60	6490	2100	430
6-22	4370	1150	360	11-22	6270	2180	430
6-27	5280	1510	390	11-29	7260	2350	440
7-5	5100	1620	350	12-7	6290	2120	350
7-14	2800	750	260	12-14	3930	1120	300
7-20	2190	580	85	12-20	7180	2275	530
7-25	1590	110	140	12-29	9560	3350	560
8-3	912	196	250	1-4-61	8510	2750	620
8-9	3350	970	250	1-9	8060	2500	550
8-15	5240	1460	660	1-17	8190	2620	570
8-25	5360	1630	510	1-24	8590	2820	630
8-29	740	192	59	2-1	7750	2520	570
9-7	1760	450	145	2-8	7160	2425	570
9-13	4190	1260	255	2-13	8200	2780	600
9-19	4580	1250	480	2-22	6390	2060	360
9-26	6540	2070	458	2-28	7160	2350	450
10-3	5080	1640	420	3-8	9460	3900	520
10-10	8740	3100	450	3-14	8510	2700	525
10-17	6690	2200	390	3-21	7360	3050	490
10-24	2760	840	195	3-29	8050	2680	510
11-1	2410	695	155	4-5	4820	1500	480
11-8	3150	860	255	4-12	5200	1590	415

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 258
Location: Cimarron River near Mannford, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-19-61	10100	3550	540	8-22-61	4710	1420	215
4-20	9560	3150	580	8-30	4790	1450	340
4-26	7810	2520	580	9-7	4970	1470	240
5-3	7960	2550	620	9-13	646	150	32
5-11	2000	488	250	9-16	525	97	41
5-12	1610	344	210	9-17	549	102	45
5-17	3370	980	310	9-19	945	213	62
5-24	1280	308	110	9-20	1172	283	71
5-26	1680	415	140	9-27	3320	893	240
5-30	2650	700	240	10-4	1490	332	106
6-6	806	194	57	10-5	1770	428	135
6-12	3840	1190	210	10-11	1300	310	75
6-20	1230	280	145	10-12	1260	305	83
6-21	1270	260	165	10-14	651	118	62
6-27	4350	1325	330	10-16	788	152	77
7-4	3520	980	285	10-19	1300	290	106
7-12	3180	930	205	10-19	1350	305	112
7-19	3010	890	125	10-26	3500	1000	200
7-26	5680	1710	225	11-2	1530	400	86
8-2	11900	4120	350	11-3	1070	252	75
8-9	6700	2240	240	11-6	901	202	68
8-16	2330	660	87	11-7	1260	298	108

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 258
Location: Cimarron River near Mannford, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
11-15-61	3850	1140	265	4-11-62	1716	465	102
11-22	2190	595	182	4-18	5434	1760	350
11-29	4630	1360	310	4-25	3754	1050	235
12-6	5450	1570	340	5-1	4220	1200	250
12-15	5180	1420	315	5-9	7650	2475	480
12-20	4820	1390	315	5-10	9823	3050	480
12-27	9120	3213	500	5-14	9405	3025	470
12-31	6474	2135	480	5-16	8569	2700	440
1-4-62	5090	1545	350	5-23	7576	2460	380
1-10	5680	1700	355	5-30	1261	312	88
1-17	4870	1400	310	6-3	489	87	25
1-24	5333	1540	410	6-6	876	192	72
1-31	5346	1590	410	6-8	249	40	20
2-7	7160	2350	415	6-11	275	39	20
2-14	5650	1730	370	6-12	669	121	74
2-20	5510	1730	385	6-13	1010	210	120
3-1	7880	2450	420	6-19	5131	1590	245
3-7	5720	1820	405	6-27	4980	1520	280
3-14	6290	2050	455	7-4	2400	660	160
3-21	4171	1260	240	7-10	1495	402	70
3-28	4150	1220	280	7-18	7505	2540	305
4-3	5995	880	390	7-25	1485	407	74

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 258
Location: Cimarron River near Mannford, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-1-62	4825	1450	300				
8-8	2081	560	230				
8-15	5814	1840	280				
8-21	6686	2280	310				
8-29	7140	2400	270				
9-6	2173	620	114				
9-12	7253	735	104				
9-19	1331	357	66				
9-26	5916	1960	210				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 253
Location: Cimarron River near Perkins, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-30-59	5900	2150	296	2-23-60	8000	2384	740
8-20	12000	5450	375	3-4	7000	2125	640
9-25	1800	700	80	3-7	8000	2430	660
9-25	2500	850	88	3-24	7900	2280	660
10-14	4600	1900	320	3-28	6000	1780	600
10-28	8350	2450	310	4-5	4600	1790	600
11-4	8000	2350	230	4-13	5500	1870	640
11-11	8000	2600	390	4-28	6400	1900	520
11-16	13500	3500	340	5-2	3000	1040	290
11-25	8200	2500	490	5-9	6000	2050	350
12-1	10000	3200	750	5-16	5500	1620	410
12-9	10000	2700	260	5-24	5500	1580	420
12-16	6600	2600	380	6-1	1200	255	200
12-22	4000	1350	330	6-7	1410	400	120
12-28	6000	2050	400	6-13	2790	832	350
1-5-60	9500	3250	440	6-22	5360	1560	490
1-14	8500	2300	370	6-30	6340	1900	490
1-19	4000	1450	390	7-5	760	171	60
1-28	9000	3000	490	7-14	3060	780	375
2-3	10900	3750	720	7-20	3050	860	210
2-9	5600	1650	390	7-25	623	112	62
2-17	7000	1900	600	8-2	1460	342	130

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 253
Location: Cimarron River near Perkins, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-8-60	5060	1440	350	1-9-61	9270	2875	680
8-15	9800	3030	660	1-16	9070	2850	660
8-25	5860	1960	480	1-23	9140	3050	700
8-31	820	183	155	1-30	8530	2880	700
9-6	3180	900	230	2-9	9150	2875	660
9-12	5150	1510	365	2-13	8350	2780	620
9-19	7400	2380	450	2-20	8470	2425	500
9-26	3800	1140	300	2-27	8930	3175	560
10-3	10000	3575	525	3-8	9230	2900	580
10-10	8990	3200	490	3-13	9590	3100	590
10-17	3350	1080	310	3-20	7780	2325	520
10-24	3230	920	255	3-29	7840	2600	460
11-1	1230	284	105	4-6	6180	1960	500
11-9	7260	2250	460	4-12	4620	1335	450
11-14	7350	2200	450	4-19	7280	2390	530
11-23	8320	2980	570	4-26	7810	2500	660
12-1	7360	2850	550	5-3	7040	2220	540
12-7	7730	3000	630	5-11	2060	547	240
12-12	6900	2125	510	5-12	2240	575	225
12-19	13700	5050	700	5-17	5300	1590	470
12-27	10000	3380	700	5-24	2160	560	225
1-3-61	10300	3580	640	5-26	1940	490	200

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 253
Location: Cimarron River near Perkins, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-31-61	7260	2300	460	9-20-61	2611	713	180
6-6	1220	218	140	9-26	2249	580	155
6-12	4970	1540	270	9-28	620	120	116
6-16	1990	535	125	9-30	1340	303	220
6-20	2290	560	280	10-2	1420	338	100
6-28	5940	2000	440	10-4	2220	585	675
7-5	5830	1880	480	10-10	476	86	26
7-13	6600	2075	400	10-12	860	177	82
7-18	4870	1440	330	10-14	780	148	84
7-25	4800	1400	230	10-16	1290	290	110
8-2	6650	2250	230	10-19	2730	710	210
8-3	6700	2200	260	10-19	2780	730	200
8-8	7430	2620	350	10-27	4450	1280	300
8-16	3780	1110	170	11-1	4390	1250	320
8-23	2160	550	165	11-2	2590	695	190
8-24	2490	680	240	11-4	737	157	62
8-30	5940	2025	115	11-6	1810	475	146
9-7	4857	1519	270	11-8	4680	1480	190
9-12	3440	1003	180	11-15	4855	1440	360
9-14	490	96	26	11-22	3950	1150	275
9-16	618	124	50	11-29	6300	1810	430
9-18	1754	460	125	12-6	6400	1870	375

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 253
Location: Cimarron River near Perkins, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
12-15-61	5310	1560	360	5-14-62	7306	2550	520
12-21	5230	1530	320	5-23	7085	2200	450
12-28	10150	3563	616	5-28	2081	465	245
1-3-62	6660	2070	420	6-4	858	177	72
1-10	7230	2425	460	6-13	1712	410	205
1-17	5980	1725	440	6-19	5272	1570	300
1-24	6670	2100	525	6-25	7069	2225	365
1-31	6140	1980	410	7-2	2377	625	155
2-5	6850	2200	428	7-11	3208	940	180
2-14	7110	2225	530	7-16	7128	2300	305
2-21	6880	2150	520	7-25	5497	1690	410
2-26	7950	2625	500	7-31	5420	1640	300
3-8	6580	2050	480	8-6	2199	575	245
3-14	7690	2600	480	8-13	6330	2100	330
3-20	6955	2275	480	8-21	7125	2500	355
3-28	5380	1610	390	8-28	6908	2320	400
4-4	9337	2475	560	9-6	895	207	63
4-9	6295	2025	450	9-10	3002	870	185
4-18	8262	2800	480	9-17	3802	1110	180
4-25	6283	1920	435	9-26	6468	2130	250
5-2	7210	2275	480				
5-8	10100	3300	580				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 769
Location: Salt Creek of the Cimarron River near Okeene, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-8-61	2330	438	540	11-8-61	7300	1930	1280
6-12	8080	2160	1200	11-15	6949	1920	980
6-21	11600	3650	1280	11-22	9070	2650	1275
6-28	12600	4275	1300	11-29	9850	2850	1338
7-5	16800	6200	1150	12-6	10700	3300	1350
7-10	15500	5700	1150	12-15	15200	4700	1425
7-18	16500	5650	1150	12-17	9870	2950	1050
7-26	18700	6550	1075	12-19	11200	3450	1250
8-2	13600	4850	825	12-21	10300	3100	1300
8-9	16900	6300	925	12-26	10180	3188	1150
8-16	2920	860	245	12-27	10000	3200	1600
8-23	8930	3100	470	12-29	11720	3975	1425
8-30	10400	3450	925	12-31	12200	4100	1500
9-7	14248	4925	1075	1-2-62	10210	3350	1400
9-13	2100	550	180	1-4	10760	3700	1450
9-20	6320	1850	690	1-10	8250	2400	1212
9-27	6584	1675	1025	1-8	13300	4150	1350
10-4	8715	2400	1050	1-10	7752	1975	1400
10-11	2430	540	440	1-12	10810	2750	1500
10-19	10340	3050	1175	1-14	15300	5050	1250
10-27	11700	3700	1250	1-17	13100	3900	1500
11-2	984	158	180	1-19	7880	2235	1150

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 769
Location: Salt Creek of the Cimarron River near Okeene, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-21-62	12300	3950	1575	3-21-62	12208	4675	1525
1-23	12200	4475	1400	3-23	10676	3725	1450
1-23	12900	4300	1400	3-25	12723	4450	1575
1-25	12977	4675	1075	3-27	12829	5225	1575
1-27	6270	1865	820	3-28	10655	4550	1500
1-31	7752	2450	1225	4-1	10513	4300	1450
2-1	9180	2700	1225	4-4	10552	3425	1400
2-6	9870	3000	1412	4-6	19006	7000	1500
2-7	9560	2925	1300	4-8	15492	5600	1550
2-9	9820	3025	1460	4-11	11045	4225	1450
2-14	10000	3100	1480	4-13	16116	6150	1450
2-21	9920	3675	1500	4-16	12423	4225	1450
2-26	11000	3625	1325	4-17	12301	4300	1700
2-27	12000	4000	1350	4-23	9636	2850	1400
3-4	11600	3850	1375	4-25	12264	3775	1375
3-6	10800	3425	1400	4-28	14948	4950	1300
3-11	12100	4125	1500	4-30	10706	3250	1450
3-13	9480	3150	1320	5-1	10908	3075	1450
3-14	10800	3650	1400	5-9	10197	3100	1325
3-16	9374	3325	1400	5-12	8858	2975	1275
3-18	10420	3675	1475	5-15	8034	2600	1250
3-20	11990	4205	1500	5-23	9585	2775	1150

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 769
Location: Salt Creek of the Cimarron River near Okeene, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-25-62	10220	3175	1225				
5-30	12271	4000	1225				
6-1	9843	3125	950				
6-3	14300	5450	575				
6-6	3162	850	365				
6-12	7600	2125	1275				
6-20	8732	2450	1325				
6-26	12122	3825	1275				
7-4	10691	3175	1150				
7-11	10780	3425	1100				
7-18	22788	7750	1700				
7-24	12017	3925	1125				
8-1	1860	166	185				
8-8	8415	2600	1100				
8-16	9120	2775	1100				
8-21	9312	2900	1050				
8-29	8964	2775	750				
9-7	13284	4575	875				
9-12	16827	6000	1075				
9-19	11536	3750	900				
9-26	8888	2750	950				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 248
Location: Cimarron River near Waynoka, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-28-59	30000	12500	1050	1-12-60	14000	5150	620
8-10	11000	4950	375	1-19	29000	11300	800
8-17	1800	6850	505	1-27	29000	10500	1140
8-24	25000	10750	304	2-1	11000	3850	580
8-31	8300	4250	530	2-8	11000	3250	720
9-8	28000	15500	580	2-16	15000	5125	980
9-14	-	13500	480	2-25	16000	5650	1000
9-29	12100	5100	296	3-3	21000	8200	1180
10-6	15000	7900	450	3-8	20000	8450	1000
10-12	16500	12200	800	3-22	9400	3050	660
10-20	22500	12100	980	3-29	9500	3100	700
10-26	30000	9600	550	4-4	9100	2700	780
11-2	19500	5950	380	4-11	12000	4150	760
11-9	14000	7200	460	4-28	11000	3775	820
11-17	37000	10400	1060	5-5	6500	2600	600
11-23	18000	5400	620	5-10	8000	2980	420
12-2	29500	9300	1000	5-18	9600	3380	480
12-7	18000	7250	460	5-25	6600	2750	600
12-15	14000	6650	560	6-3	12500	4580	700
12-21	14000	5250	320	6-9	7880	2720	500
12-28	24000	8900	760	6-13	6400	2200	540
1-4-60	20000	7800	720	6-21	16300	4900	900

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 248
Location: Cimarron River near Waynoka, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-28-60	20800	7600	1180	11-28-60	22100	8600	1120
7-6	11100	3600	620	12-5	25100	10800	1140
7-12	15800	5750	780	12-12	36800	15000	1060
7-19	24800	8950	1200	12-19	23400	9100	900
7-27	26000	9550	1460	12-27	14800	5850	700
8-1	32500	12400	1640	1-4-61	18100	7100	840
8-8	26100	9700	1180	1-9	17300	6250	840
8-16	21000	7500	1120	1-16	18000	6700	880
8-23	15000	5100	840	1-23	19600	7250	960
8-31	26400	4050	1120	1-30	23400	9050	1000
9-6	29500	11300	1420	2-7	12500	4575	680
9-12	24000	8850	1200	2-13	15200	5950	760
9-19	32600	12400	1560	2-22	17800	6900	740
9-26	26600	10450	1140	3-1	12900	4800	600
10-3	36000	14350	1600	3-6	18700	6800	800
10-12	12900	4900	460	3-13	19800	7300	820
10-17	16700	6400	700	3-20	9570	3300	490
10-25	15300	5350	1200	3-28	15300	5750	600
11-2	24600	9200	980	4-4	12700	4900	660
11-9	24100	8750	1100	4-11	16280	6150	700
11-14	25900	10000	1140	4-18	14500	5500	840
11-21	22200	9750	1060	4-25	22150	8500	1060

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 248
Location: Cimarron River near Waynoka, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-2-61	24600	9600	1150	9-14-61	30900	12200	775
5-9	12800	4550	940	9-15	31700	12400	650
5-16	20500	7650	1260	9-16	31000	12300	700
5-23	34900	14400	1420	9-17	29300	11300	700
5-30	27200	10600	1280	9-21	31872	11500	900
6-1	30900	12200	1360	9-22	35530	12900	1025
6-5	16900	6600	420	9-23	34067	12000	975
6-13	9800	3420	360	9-26	44308	16500	850
6-19	17300	6150	800	10-3	31350	12250	925
6-27	20800	8150	925	10-4	33900	12950	900
7-4	22100	8550	1200	10-5	34400	13100	900
7-11	21400	8350	500	10-6	34000	12800	875
7-18	10300	3450	330	10-7	30300	11100	900
7-25	5540	1770	115	10-10	24900	9000	940
8-1	17800	6700	450	10-13	30100	11400	900
8-8	19250	7550	390	10-15	38280	15050	1050
8-15	24800	9300	460	10-16	37970	14900	1025
8-22	5860	1920	110	10-17	40970	16500	1100
8-29	17300	6250	430	10-18	40480	15900	925
9-6	20425	7725	410	10-19	37800	15300	900
9-9	6040	1765	400	10-20	36500	14700	1000
9-12	18800	6750	380	10-21	34600	13750	900

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 248
Location: Cimarron River near Waynoka, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-22-61	34600	13850	1000
10-23	35100	14350	1000
10-24	33800	13400	925
10-25	32900	12950	1000
10-26	33100	13250	900
11-2	42500	17200	875
11-7	17600	6400	500
11-13	23230	9150	630
11-14	31320	10900	730
11-17	30340	11100	740
11-21	17740	6750	550
11-27	19300	7050	580
12-5	23800	8900	620
12-10	34100	13200	613
12-13	35800	14000	850
12-15	39100	17350	850
12-16	36400	13400	750
12-18	42500	17100	775
12-19	37800	15050	800
12-26	13560	5000	480
1-3-62	14040	5250	480
1-8	20000	7700	680
1-16-62	35700	14800	950
1-20	43010	16650	1216
1-21	41000	16550	1333
1-22	49000	21200	1332
1-23	45600	21350	1200
1-30	9310	3175	370
2-6	16800	6400	535
2-13	16890	6350	550
2-19	12200	5250	500
2-28	22600	9150	670
3-5	21000	8100	750
3-13	20400	8400	640
3-19	14344	7550	620
3-27	28485	12500	810
4-2	16947	8150	690
4-8	41990	23600	920
4-10	15138	7050	630
4-16	22454	9750	770
4-24	32630	14400	880
4-30	40397	17100	1050
5-8	33166	15000	1000
5-14	23175	10200	730

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 248
Location: Cimarron River near Waynoka, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-22-62	10105	6350	1075				
5-28	16320	5750	450				
6-5	10608	3725	385				
6-11	7880	2650	230				
6-19	20552	7350	580				
6-25	9082	3050	365				
7-3	13802	5150	460				
7-9	8193	2650	230				
7-17	12660	4500	280				
7-23	23408	9150	570				
7-31	4620	1460	105				
8-7	12597	4450	360				
8-14	18525	6900	570				
8-22	25632	10600	690				
8-28	25099	10500	620				
9-6	26568	11200	530				
9-11	37488	16500	500				
9-17	9888	3450	310				
9-25	12120	4600	410				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 862
Location: Cimarron River near Buffalo, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-28-59	16800	6400	1130	1-27-60	10000	3850	340
8-17	28000	6750	780	2-1	4600	1500	300
8-24	13000	4950	380	2-8	8000	2600	320
8-31	12500	8250	500	2-16	9000	3150	380
9-9	2500	14500	520	2-25	12000	4270	540
9-30	1700	540	100	3-3	15000	6900	540
10-7	3800	2360	96	3-8	9800	3675	400
10-13	3000	1100	350	3-22	4800	-	340
10-20	5200	2350	300	3-29	13100	4800	380
10-27	7500	2350	220	4-4	2910	700	230
11-3	4500	1350	140	4-11	3100	1020	260
11-10	5800	1900	170	4-28	4200	1240	320
11-18	12500	3400	530	5-5	6000	2680	130
11-24	4000	1200	260	5-10	2800	890	150
12-2	4200	1450	170	5-19	1300	290	105
12-7	6000	1800	170	5-25	13000	5150	170
12-15	8600	3900	150	5-31	1428	372	150
12-22	5000	1750	160	6-8	7486	2820	260
12-29	4000	1500	260	6-14	1830	500	190
1-4-60	8600	2700	360	6-22	3400	920	280
1-12	8000	2800	280	6-28	6190	1890	400
1-19	18000	7500	580	7-6	1990	510	160

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 862
Location: Cimarron River near Buffalo, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-13-60	4660	1370	290	12-12-60	14700	5180	390
7-19	19000	6900	900	12-20	8190	2730	285
7-26	23900	1820	980	12-27	4180	1300	265
8-2	19700	6950	1020	1-4-61	4460	1420	315
8-9	3060	900	130	1-9	3880	1070	275
8-16	11600	3500	660	1-16	4130	1250	300
8-23	11800	4000	820	1-23	5560	1680	330
8-31	19800	7150	600	1-31	8550	2900	420
9-7	21400	8250	1140	2-7	33000	14800	700
9-13	19600	6850	1140	2-13	7170	2420	420
9-19	20000	6900	1120	2-21	6000	1940	240
9-27	8220	2850	580	2-27	3120	850	220
10-3	20800	7800	1320	3-6	6330	2000	280
10-12	18800	6650	1240	3-14	3960	1120	280
10-18	2100	590	200	3-20	9610	3425	320
10-25	2120	570	260	3-28	4490	1400	260
11-2	3410	970	280	4-3	6500	2210	350
11-8	4190	1190	330	4-11	3680	1080	290
11-14	4000	1210	340	4-18	5570	1760	340
11-22	3910	1240	320	4-24	6820	2150	390
11-28	12400	4800	375	5-2	9450	3220	440
12-5	4430	1470	280	5-9	8030	2780	340

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 862
Location: Cimarron River near Buffalo, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-15-61	10800	3700	570	9-11-61	2260	573	146
5-23	7810	2650	350	9-12	3100	865	180
5-29	5770	1770	390	9-13	16000	6550	425
6-5	2200	635	110	9-19	8620	2850	460
6-12	2890	815	190	9-21	16170	5450	530
6-14	3340	920	210	9-25	18810	6375	520
6-19	3000	820	175	9-26	11130	3450	480
6-26	5550	1770	345	10-3	9927	3138	500
6-8	1810	490	100	10-6	14700	4925	750
7-5	16100	6150	800	10-7	15300	5300	760
7-11	2570	750	165	10-9	16000	5400	830
7-18	1960	470	95	10-10	13300	4550	570
7-25	2670	735	100	10-11	28970	11150	820
8-1	4920	1580	240	10-12	20660	6150	900
8-8	4350	1370	215	10-18	6360	1970	380
8-15	3240	930	125	10-26	6100	2000	355
8-22	8180	2820	135	11-1	3340	970	180
8-29	2250	650	90	11-7	3960	1170	250
8-29	4430	1350	245	11-14	4424	1300	260
9-6	1393	343	90	11-21	5520	1790	255
9-4	1612	410	112	11-28	4660	1400	255
9-7	1440	339	86	12-5	5350	1560	270

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 862
Location: Cimarron River near Buffalo, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)
12-9-61	35500	12500	450	2-15-62	14600	6975	400
12-14	12900	4375	450	2-20	3650	1130	275
12-15	14700	5225	340	2-28	9600	3600	470
12-16	14700	5325	360	3-6	2950	870	208
12-18	14700	5200	380	3-13	4090	1230	280
12-20	6260	1970	290	3-20	5738	2040	305
12-27	4400	1400	280	3-27	2996	440	225
1-3-62	5050	1580	265	4-3	4536	1640	340
1-9	8770	2900	375	4-5	25533	10700	530
1-10	19200	6750	500	4-6	24084	10400	490
1-13	15900	5550	475	4-10	4672	1400	345
1-16	10200	3075	460	4-17	5555	1740	345
1-20	15600	6100	516	4-24	6044	1890	370
1-22	20700	8450	583	4-27	82820	35250	1075
1-23	13300	4900	483	5-1	5664	1600	360
1-24	18430	6850	520	5-5	12566	5500	500
1-25	28120	11075	570	5-8	8631	3125	440
1-26	43700	19600	540	5-9	23896	10100	550
1-27	9785	3362	340	5-10	16480	6650	550
1-30	4560	1435	175	5-12	18334	7350	850
2-6	4280	1290	265	5-15	14472	6000	1025
2-13	5500	1720	265	5-16	17040	6050	1025

Specific Conductance (µmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 862
Location: Cimarron River near Buffalo, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-17-62	17892	6450	1050	8-8-62	4243	1260	285
5-18	17253	6100	1000	8-14	10450	3475	530
5-19	21832	6900	1050	8-22	20928	7900	875
5-21	17572	6300	975	8-28	17280	6300	-
5-22	17040	5950	1000	9-5	7128	2360	320
5-23	17560	6100	1025	9-11	5005	1580	230
5-24	17540	6100	950	9-18	2344	675	84
5-25	16730	5950	1025	9-25	5555	1740	155
5-26	21828	7900	1025				
5-28	16055	5600	1025				
5-29	15500	5500	975				
6-1	23154	8850	520				
6-2	25704	9900	490				
6-5	6426	2060	290				
6-12	4440	1320	215				
6-19	13088	4600	400				
6-26	3334	980	185				
7-3	6818	2240	320				
7-10	4998	1510	230				
7-17	7047	2300	250				
7-24	8778	2900	460				
7-31	2900	840	120				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 773
Location: Cimarron River near Protection, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-14-61	2220	550	180	11-14-61	2790	740	230
6-19	1990	485	160	11-21	2750	728	213
6-26	2890	785	265	11-28	2780	720	228
7-5	3060	770	375	12-5	2800	715	250
7-11	1680	440	130	12-14	4050	1030	350
7-18	1860	400	120	12-18	3120	810	270
7-25	1460	335	100	12-20	3080	780	245
8-1	2480	635	195	12-21	2560	705	265
8-8	2350	615	175	12-23	2230	598	180
8-15	1770	432	100	12-27	2550	715	260
8-22	1490	348	104	12-30	2780	718	265
8-29	2310	565	215	1-3-62	2590	673	220
9-6	2700	667	42	1-4	2750	690	222
9-12	2470	628	220	1-6	3120	840	250
9-18	2970	728	320	1-8	3000	910	255
9-26	2880	695	280	1-9	3170	805	255
10-3	2970	690	310	1-13	3660	885	320
10-10	2890	695	360	1-15	3830	770	345
10-18	2770	730	240	1-16	3310	810	310
10-26	2790	735	220	1-18	2990	715	320
11-1	2030	470	170	1-20	3350	823	380
11-7	2710	715	210	1-22	4060	1045	400

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 773
Location: Cimarron River near Protection, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-23-62	4160	1055	430	3-27-62	2530	655	215
1-25	3230	990	365	3-31	3100	805	330
1-27	2390	715	240	4-3	4640	1300	480
1-30	1610	426	132	4-5	2560	745	290
2-1	2230	575	175	4-9	3280	855	360
2-3	2600	680	217	4-10	3260	360	380
2-5	2670	705	215	4-12	3130	795	330
2-6	2880	760	235	4-17	3020	895	370
2-7	2740	685	230	4-24	3480	890	385
2-13	2670	700	235	5-1	3710	890	360
2-20	2670	730	250	5-8	3690	980	430
2-22	2740	760	248	5-15	3280	810	530
2-26	2960	840	275	6-2	1840	460	145
2-27	3600	1060	340	6-4	2490	635	205
3-1	3490	940	345	6-5	2540	655	220
3-3	2800	760	282	6-12	2320	590	195
3-5	2180	580	178	6-19	2890	750	250
3-6	2300	605	200	6-26	1700	405	155
3-13	2790	755	230	7-3	2550	665	245
3-15	2650	730	245	7-10	2800	725	220
3-20	2490	755	250	7-17	1680	360	150
3-26	2620	720	220	7-24	1060	232	122

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 773
Location: Cimarron River near Protection, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-31-62	770	140	64				
8-8	1990	583	520				
8-14	2830	670	340				
8-22	3180	760	410				
8-28	3050	745	145				
9-5	2570	665	205				
9-11	1680	392	170				
9-18	1100	240	92				
9-25	1810	450	170				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 246
Location: Cimarron River near Mocane, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-28-59	2000	560	160
8-10	2300	560	172
8-17	1100	220	57
8-24	2200	550	100
8-31	2500	650	100
9-9	2100	850	180
9-15	2500	700	140
9-22	2000	750	164
9-30	1850	600	110
10-7	2200	1000	100
10-13	2250	700	200
10-20	3000	700	175
10-27	2900	650	100
11-3	2500	600	100
11-10	2500	700	175
11-24	2500	600	175
12-2	2400	600	130
12-8	2800	600	110
12-15	2100	600	150
12-22	2200	650	100
12-29	1900	550	175
1-6-60	2100	650	190
1-13-60	2100	650	190
1-19	2600	1000	230
1-26	1650	500	170
2-1	2000	600	200
2-9	2100	600	170
2-17	2000	540	170
2-25	4000	1140	340
3-3	2100	625	180
3-8	1650	400	160
3-17	2050	546	180
3-23	1600	505	210
3-28	2000	520	210
4-6	1900	540	200
4-12	1900	525	170
4-27	2100	540	150
5-5	2000	675	170
5-10	2000	620	110
5-19	2200	550	165
5-25	2100	595	155
5-31	2090	590	175
6-8	930	240	85
6-14	1760	495	145

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 246
Location: Cimarron River near Mocane, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-21-60	2660	590	150	11-22-60	2300	680	200
6-29	2400	650	200	11-29	2360	620	205
7-6	2460	615	165	12-5	2260	635	200
7-13	2480	660	165	12-13	2510	655	200
7-19	2520	665	195	12-20	2530	645	220
7-26	2420	640	175	12-27	2230	565	190
8-2	2850	755	205	1-4-61	2160	570	200
8-9	2650	705	205	1-9	2320	580	200
8-16	2650	710	205	1-16	2200	555	220
8-23	2410	645	185	1-23	2140	535	185
8-31	2700	710	190	1-31	2190	560	195
9-7	2900	860	230	2-7	2200	555	185
9-13	2580	690	190	2-14	2100	535	195
9-19	2790	725	195	2-21	2090	535	180
9-27	2340	645	225	2-27	2130	530	170
10-3	2420	650	195	3-6	2190	530	160
10-11	2150	595	180	3-14	2150	535	170
10-18	2600	700	180	3-20	2670	725	175
10-25	2450	605	190	3-27	2170	560	180
11-2	2440	655	195	4-3	2300	640	190
11-8	2370	595	200	4-10	2170	570	243
11-15	2350	635	220	4-17	2160	600	175

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 246
Location: Cimarron River near Mocane, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-24-61	2260	580	180				
5-2	2130	550	185				
5-9	2220	575	190				
5-15	2170	545	205				
5-22	2010	505	160				
5-29	2050	570	160				
6-5	1960	480	140				
6-12	1860	445	165				
6-19	2070	495	160				
6-26	2050	535	170				
7-5	1810	450	170				
7-11	1780	460	130				
7-18	1720	325	120				
7-25	1530	338	105				
8-1	1960	490	140				
8-8	1990	510	150				
8-15	1660	355	110				
8-22	2000	495	125				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 238
Location: Arkansas River at Ralston, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-30-59	810	230	66	3-4-60	1850	430	225
8-26	1260	310	80	3-7	1800	415	225
10-14	1000	260	135	3-17	940	180	120
10-19	1100	220	110	3-24	450	121	120
10-28	2000	450	120	3-28	530	78	74
11-4	1900	550	95	4-5	1010	177	175
11-11	1900	450	210	4-13	1500	300	275
11-19	2100	500	135	4-22	1240	255	205
11-24	1750	450	245	4-28	1540	307	245
12-1	1900	450	255	5-3	1425	325	200
12-8	2300	450	150	5-11	560	112	28
12-16	2300	450	190	5-16	1400	270	155
12-21	1800	300	230	5-24	1500	352	185
12-28	2290	450	255	6-1	790	175	80
1-5-60	2200	450	240	6-8	1500	363	150
1-14	2100	400	255	6-15	810	192	100
1-19	1650	300	175	6-22	1530	325	155
1-28	2100	500	220	6-27	1100	222	140
2-3	1750	400	265	7-5	970	196	130
2-9	960	190	130	7-14	1890	485	195
2-17	1500	345	230	7-20	1460	325	150
2-23	1600	343	245	7-26	991	210	110

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 238
Location: Arkansas River at Ralston, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-3-60	1240	276	150	1-5-61	2030	510	220
8-9	1670	372	175	1-9	2250	525	225
8-15	1130	245	120	1-18	2130	520	240
8-25	1640	400	155	1-23	2120	530	245
8-30	370	66	46	2-1	2330	555	240
9-7	1650	402	185	2-9	2070	485	245
9-12	1180	258	145	2-13	2000	475	220
9-19	1780	430	175	2-20	1910	455	185
9-26	1560	410	160	2-27	1560	358	165
10-3	1240	295	125	3-8	1610	342	160
10-10	1830	468	160	3-13	1980	455	205
10-17	590	124	85	3-20	1740	400	170
10-24	1350	328	135	3-29	1080	210	105
11-1	980	208	125	3-31	435	58	41
11-9	1520	348	160	4-5	1300	228	140
11-16	1890	425	185	4-12	1000	178	100
11-23	1980	520	210	4-14	760	130	81
12-1	1960	535	195	4-19	1650	372	160
12-7	1920	540	205	4-26	1340	280	120
12-12	1730	400	175	5-3	370	50	53
12-21	1690	380	185	5-5	470	71	36
12-29	1950	470	205	5-11	600	103	54

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 238
Location: Arkansas River at Ralston, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-12-61	730	131	66	9-16-61	330	37	52
5-17	1390	292	125	9-18	410	52	34
5-24	600	107	58	9-20	650	106	49
5-30	1430	320	130	9-23	620	87	69
6-6	1380	298	110	9-27	990	130	76
6-12	1210	268	105	9-28	600	917	44
6-20	1560	370	130	9-30	690	115	54
6-28	1790	430	155	10-4	1280	256	87
7-4	1900	460	160	10-11	540	78	43
7-12	1230	268	125	10-12	320	37	22
7-19	1150	232	96	10-14	370	40	26
7-26	250	27	25	10-17	590	90	44
8-2	1200	262	82	10-19	890	160	66
8-9	1500	362	100	10-26	1380	315	110
8-17	430	65	34	11-2	400	46	23
8-17	470	79	35	11-2	280	31	23
8-21	600	113	45	11-4	270	30	20
8-22	810	76	45	11-7	550	84	43
8-30	1270	280	75	11-15	1410	280	108
9-7	1250	249	112	11-18	560	92	50
9-13	240	20	14	11-21	650	115	40
9-14	240	23	23	11-22	790	160	75

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 238
Location: Arkansas River at Ralston, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
11-29-61	1720	322	100	4-18-62	1760	390	215
12-6	1650	322	130	4-25	2010	455	230
12-15	1420	258	140	5-1	1730	360	185
12-21	1050	180	104	5-9	2160	500	225
12-28	1590	343	175	5-16	2340	495	210
1-4-62	1670	399	175	5-23	2220	520	215
1-10	2000	435	195	5-30	1860	427	170
1-17	1980	405	225	6-2	390	52	36
1-24	1930	398	200	6-4	410	54	42
1-31	650	104	66	6-6	430	65	40
2-7	1170	240	109	6-19	1910	477	155
2-14	1590	305	184	6-27	1540	337	165
2-20	1450	272	174	7-4	1730	372	170
3-1	1770	350	205	7-10	220	26	20
3-7	1740	348	190	7-18	450	70	51
3-14	1800	365	200	7-25	830	174	74
3-14	2410	605	230	8-1	1320	302	100
3-19	2860	850	270	8-8	1280	300	120
3-21	1760	375	220	8-15	1450	342	120
3-28	1500	340	205	8-22	1640	367	175
4-3	1730	367	230	8-29	1150	260	96
4-11	1460	360	210	9-6	1210	620	114

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 238
Location: Arkansas River at Ralston, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-12-62	960	194	80				
9-19	430	60	37				
9-26	440	1180	42				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 236
Location: Salt Fork of Arkansas River near Tonkawa, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-30-59	3500	1250	226	1-4-60	4200	1350	370
8-12	6000	2300	324	1-14	3100	1100	300
8-17	3500	1100	93	1-19	4600	1250	360
8-26	8000	2700	275	1-27	4200	1250	360
9-2	6500	2100	2600	2-2	4500	1300	380
9-10	8000	2950	325	2-8	2500	700	270
9-16	6400	2400	360	2-16	3750	1025	370
9-23	1650	600	110	2-25	3400	930	420
10-1	2900	1350	168	3-4	3600	980	370
10-8	2000	950	106	3-10	3750	1030	310
10-14	1600	600	180	3-25	3600	915	480
10-19	3300	1000	255	3-29	3100	855	500
10-28	4000	1000	170	4-4	3500	825	460
11-4	4000	1100	220	4-14	3000	910	480
11-11	4000	1050	176	4-20	3500	1045	500
11-19	4000	1100	143	4-26	3500	1180	490
11-24	3800	1050	219	5-5	3300	995	360
12-1	3700	1150	170	5-11	3800	1360	320
12-8	4000	1050	190	5-17	4750	1320	490
12-16	2500	950	220	5-24	4650	1300	530
12-21	3600	1050	390	6-2	5020	1530	660
12-28	3000	950	280	6-8	1960	525	220

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 236
Location: Salt Fork of Arkansas River near Tonkawa, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (umhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (umhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-13-60	1810	520	210	11-14-60	4290	1180	330
6-20	4650	980	330	11-21	4060	1370	380
6-30	4490	1270	350	11-28	3940	1220	350
7-7	3450	950	280	12-7	4020	1320	370
7-14	3980	1040	340	12-12	3700	1030	350
7-18	1870	490	150	12-19	3860	1080	370
7-26	2110	555	185	12-27	4010	1130	410
8-3	3220	915	300	1-3-61	4010	2590	380
8-8	4200	1210	315	1-9	4110	1060	440
8-15	5170	1580	430	1-16	3990	1080	390
8-24	3000	845	275	1-23	4450	1250	440
8-30	978	215	150	1-30	4530	1320	480
9-7	3480	970	330	2-7	4160	1190	400
9-12	873	200	140	2-15	3940	1100	440
9-19	3600	1010	295	2-20	4280	1250	410
9-26	2110	550	195	2-27	4390	1280	380
10-4	4300	1340	350	3-6	4490	1240	420
10-10	4350	1320	300	3-13	4400	1210	410
10-17	2460	760	205	3-20	4140	1180	400
10-26	3720	1120	310	3-29	2680	700	320
10-31	1380	375	105	4-4	3960	1240	400
11-9	3810	1050	330	4-12	3280	940	310

Specific Conductance (umhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 236
Location: Salt Fork of Arkansas River near Tonkawa, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (umhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (umhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-13-60	1810	520	210	11-14-60	4290	1180	330
6-20	4650	980	330	11-21	4060	1370	380
6-30	4490	1270	350	11-28	3940	1220	350
7-7	3450	950	280	12-7	4020	1320	370
7-14	3980	1040	340	12-12	3700	1030	350
7-18	1870	490	150	12-19	3860	1080	370
7-26	2110	555	185	12-27	4010	1130	410
8-3	3220	915	300	1-3-61	4010	2590	380
8-8	4200	1210	315	1-9	4110	1060	440
8-15	5170	1580	430	1-16	3990	1080	390
8-24	3000	845	275	1-23	4450	1250	440
8-30	978	215	150	1-30	4530	1320	480
9-7	3480	970	330	2-7	4160	1190	400
9-12	873	200	140	2-15	3940	1100	440
9-19	3600	1010	295	2-20	4280	1250	410
9-26	2110	550	195	2-27	4390	1280	380
10-4	4300	1340	350	3-6	4490	1240	420
10-10	4350	1320	300	3-13	4400	1210	410
10-17	2460	760	205	3-20	4140	1180	400
10-26	3720	1120	310	3-29	2680	700	320
10-31	1380	375	105	4-4	3960	1240	400
11-9	3810	1050	330	4-12	3280	940	310

Specific Conductance (umhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 236
Location: Salt Fork of Arkansas River near Tonkawa, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-19-61	4680	1450	440
4-21	4780	1350	450
4-26	4000	1140	390
5-3	2920	755	320
5-10	1710	450	160
5-17	3670	1000	330
5-24	2100	550	200
5-31	3560	1000	280
6-7	3420	980	230
6-14	3820	1100	290
6-21	4390	1260	310
6-28	4140	1240	320
7-3	4180	1220	280
7-12	4210	1290	220
7-18	867	176	75
7-24	1650	395	100
7-31	4340	1320	265
8-8	4880	1500	260
8-16	1250	310	69
8-23	6650	1990	330
8-28	2670	650	345
9-5	3609	1030	320
9-12-61	2850	790	225
9-14	461	97	42
9-19	3383	965	220
9-26	1791	933	155
10-4	4080	1190	1225
10-10	309	59	42
10-19	3890	1115	260
10-27	1230	142	185
11-1	1320	332	96
11-8	3500	990	265
11-14	3664	1020	270
11-22	3830	1110	268
11-28	3740	980	305
12-5	3790	1010	290
12-15	3370	910	280
12-21	2830	760	210
12-27	3780	1090	365
1-3-62	3870	1040	312
1-9	3710	1010	318
1-16	3700	950	330
1-25	5274	1640	360
1-30	3738	1170	290

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 236
Location: Salt Fork of Arkansas River near Tonkawa, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-5-62	4690	1370	345	6-19-62	4500	1260	290
2-13	3530	960	320	6-26	4009	1130	300
2-20	3460	940	340	7-2	4508	1320	310
2-26	3570	980	330	7-10	2477	710	168
3-6	3760	1010	330	7-17	4595	1330	280
3-13	3760	1070	400	7-23	4828	1410	315
3-20	3586	1000	345	7-31	5550	1680	345
3-27	3180	810	330	8-6	4845	1530	320
4-4	3984	1130	375	8-15	4515	1350	340
4-9	3637	1120	390	8-21	4997	1500	305
4-17	4284	1210	370	8-29	4929	1470	285
4-24	4558	1280	375	9-4	4707	1420	225
5-1	4232	1150	400	9-10	3910	1170	200
5-8	4747	1350	410	9-18	4406	1350	205
5-14	4613	1470	390	9-24	5341	1620	300
5-22	5098	1450	285				
5-25	5737	1690	410				
5-28	5292	1550	390				
6-4	4747	1420	295				
6-4	7963	2575	490				
6-6	5622	1690	405				
6-12	3783	1110	280				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 235
Location: Salt Fork of Arkansas River near Jet, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-27-59	9600	3900	650	1-13-60	5000	1550	460
8-10	11700	4360	700	1-21	4500	1600	480
8-17	11000	3900	475	1-27	5000	1550	500
8-24	10200	3500	430	2-1	5250	1550	460
8-31	12000	4150	500	2-8	3000	950	340
9-8	11000	5000	590	2-16	3750	1025	480
9-14	8000	4300	1570	2-23	3700	1060	460
9-21	13000	6000	700	3-4	4900	1375	530
9-29	6800	2400	275	3-9	6900	2260	600
10-6	2500	800	135	3-23	4000	1040	530
10-12	2800	900	270	3-29	3400	710	550
10-21	3400	1200	310	4-4	4000	945	590
10-26	3800	950	175	4-11	3500	995	600
11-2	4100	1250	220	4-18	3800	1090	630
11-9	4000	1150	210	4-28	4450	1160	630
11-17	4000	1150	240	5-5	3900	1320	620
11-24	3700	1200	390	5-9	5300	1490	220
12-3	4500	1150	270	5-17	5250	1490	650
12-8	4200	1150	210	5-26	5600	1590	660
12-15	2900	1050	260	6-3	4390	1370	500
12-21	5100	1400	410	6-9	4680	1420	460
12-28	5000	1550	420	6-14	3540	1100	370

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 235
Location: Salt Fork of Arkansas River near Jet, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-21-60	4550	1210	420	11-21	4990	1710	460
6-28	4920	1410	440	11-30	5070	1630	450
7-5	6340	1840	410	12-5	4730	1500	500
7-12	4280	1230	400	12-12	4950	1490	480
7-18	4560	1280	410	12-19	4990	1460	460
7-27	5400	1600	390	12-27	4900	1500	460
8-4	5200	1470	420	1-3-61	4620	1360	420
8-8	6740	2040	480	1-10	4930	1360	490
8-15	4710	1270	500	1-16-61	4770	1330	510
8-22	5440	1640	450	1-23	5030	1460	510
8-29	2830	730	320	1-30	5450	1630	570
9-7	3940	1090	380	2-7	4950	1460	550
9-14	4660	1410	420	2-15	5640	1700	560
9-21	4650	1390	400	2-20	4910	1490	440
9-28	4710	1530	420	2-27	4690	1380	440
10-5	5100	1600	330	3-6	4910	1390	490
10-11	5510	1760	420	3-13	4910	1310	470
10-19	4880	1570	400	3-20	5010	1470	495
10-26	4260	1240	400	3-28	6450	2040	510
11-1	4520	1310	360	4-4	5020	1580	490
11-7	4950	1420	420	4-11	5900	1660	520
11-14	5180	1450	400	4-18	5330	1640	520

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 235
Location: Salt Fork of Arkansas River near Jet, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-25-61	5360	1550	560	8-17-61	8320	2800	385
5-2	5840	1730	565	8-18	8300	2700	375
5-4	6720	2180	580	8-19	7950	2600	380
5-9	3850	1030	370	8-20	7510	2380	375
5-11	3740	1045	355	8-21	7450	2480	380
5-16	4020	1140	360	8-23	4060	1140	270
5-18	4010	1130	370	8-30	3620	990	355
5-23	3970	1130	340	9-7	3910	119	400
5-25	4080	1170	330	9-13	4200	1188	345
5-30	4240	1220	350	9-20	4620	1307	440
6-1	4470	1290	370	9-27	5058	1350	450
6-6	5020	1540	380	10-4	4731	1290	440
6-13	4700	1380	400	10-11	4780	1370	310
6-20	4690	1330	340	10-19	5120	1520	390
6-27	5010	1510	360	10-27	5340	1630	410
7-4	5420	1630	410	11-2	4030	1130	320
7-11	7210	2450	420	11-8	4460	1340	320
7-18	6470	1975	360	11-15	4747	1390	380
7-26	5140	1460	310	11-22	4930	1470	340
8-2	6680	2100	350	11-28	4480	1260	370
8-8	7910	2700	440	12-6	4350	1205	360
8-16	8750	2825	370	12-15	5130	1450	370

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 235
Location: Salt Fork of Arkansas River near Jet, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
12-21-61	7160	2325	460	5-9-62	5974	1790	500
12-27	4290	1280	380	5-15	6695	2240	560
1-4-62	3930	1115	410	5-23	8520	2800	560
1-9	4550	1250	385	5-30	8323	2650	610
1-17	5610	1475	450	6-6	4182	1220	320
1-23	7470	2350	530	6-12	4950	1470	340
1-28	15876	5925	680	6-20	3999	1110	345
1-29	11056	4000	580	6-26	4911	1410	340
1-31	6284	2112	460	7-4	5006	1480	365
2-7	3860	1110	312	7-11	4998	1480	345
2-14	4070	1140	360	7-18	5887	1780	390
2-21	3880	1150	420	7-24	5747	1810	390
2-28	4260	1260	428	8-1	5700	7000	360
3-6	4180	1190	405	8-8	5488	1660	380
3-14	4180	1230	455	8-16	6061	1960	420
3-20	3968	1110	460	8-21	6921	2300	440
3-28	4241	1190	470	8-28	9760	3400	840
4-3	4746	1400	470	9-7	8316	2800	520
4-11	4254	1450	480	9-12	10437	3525	450
4-17	5386	1580	500	9-19	6695	2220	360
4-25	5584	1670	490	9-26	5605	1800	170
5-1	5878	1760	500				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 232
Location: Medicine Lodge River near Kiowa, Kansas
Basin: Arkansas
Tributary to: Salt Fork of Arkansas River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-28-59	900	130	280	1-21-60	1290	80	300
8-17	730	50	160	1-27	1000	60	220
8-24	1150	90	220	2-1	950	60	270
8-31	1100	120	330	2-8	1000	60	440
9-8	1130	110	315	2-16	1100	80	420
9-21	900	90	210	2-23	1200	76	560
9-29	820	80	160	3-3	1150	87	410
10-6	875	120	144	3-9	1150	79	260
10-12	950	100	310	3-23	1490	72	600
10-21	1180	70	300	3-29	1400	81	620
10-26	1300	90	200	4-4	1200	85	530
11-2	1200	130	200	4-11	1250	86	490
11-9	1150	90	140	4-19	1200	83	400
11-17	1450	90	290	4-28	900	82	350
11-24	960	80	280	5-5	1200	83	510
12-3	1250	80	180	5-9	1150	70	260
12-8	1060	80	160	5-17	1150	83	350
12-15	900	70	120	6-3	1100	62	460
12-21	1200	70	280	6-9	1200	114	510
12-28	1150	70	290	6-14	1010	70	410
1-5-60	1180	70	180	6-21	1240	89	390
1-13	1000	70	260	6-28	1230	92	420

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 232
Location: Medicine Lodge River near Kowa, Kansas
Basin: Arkansas
Tributary to: Salt Fork of Arkansas River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-6-60	1240	73	510	12-6-60	920	68	280
7-12	1160	92	380	12-13	860	60	250
7-19	1220	98	400	12-19	890	62	310
7-27	1140	109	420	12-28	900	62	300
8-4	1430	104	550	1-4-61	890	69	310
8-8	1380	115	460	1-10	930	64	300
8-16	1330	107	550	1-17	900	64	240
8-23	1370	115	500	1-24	910	60	310
8-29	700	44	280	1-31	880	63	280
9-8	1440	113	450	2-8	830	68	270
9-13	1200	113	420	2-14	1000	74	340
9-20	1240	117	450	2-21	890	60	240
9-27	1040	104	350	2-28	900	62	230
10-5	1080	113	380	3-6	910	64	250
10-11	1070	114	340	3-14	890	64	225
10-19	550	44	165	3-21	1030	76	310
10-25	830	61	280	3-28	990	70	285
11-1	860	57	240	4-4	1020	74	315
11-8	930	56	300	4-11	1110	83	375
11-15	990	64	260	4-18	980	76	285
11-22	940	74	280	4-25	990	76	290
11-30	930	66	300	5-2	930	72	185

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 232
Location: Medicine Lodge River near Kowa, Kansas
Basin: Arkansas
Tributary to: Salt Fork of Arkansas River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-4-61	720	50	185	9-26-61	1340	115	340
5-9	1030	68	340	10-4	1080	93	260
5-16	1020	81	290	10-10	1060	95	230
5-23	1000	60	335	10-18	1010	83	220
5-30	970	82	280	10-26	1000	79	210
6-6	800	57	225	11-1	830	38	240
6-13	900	80	265	11-7	1050	80	200
6-14	660	56	150	11-14	920	86	185
6-20	1030	84	265	11-21	940	77	220
6-27	1100	105	310	11-27	960	85	212
7-4	1250	132	385	12-5	960	81	210
7-11	1330	148	375	12-14	1340	106	317
7-18	1170	98	300	12-21	1020	83	225
7-25	550	28	104	12-26	910	84	245
8-2	1080	106	265	1-3-62	960	81	240
8-9	1110	113	310	1-8	1070	125	212
8-15	420	18	75	1-16	1330	71	220
8-22	670	37	125	1-22	1190	100	270
8-29	870	71	230	1-30	750	49	180
9-7	970	83	250	2-6	990	77	242
9-13	860	75	175	2-13	1060	76	255
9-20	950	86	245	2-20	990	74	240

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 232
Location: Medicine Lodge River near Kiowa, Kansas
Basin: Arkansas
Tributary to: Salt Fork of Arkansas River

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-28-62	1200	107	320	7-23	1220	130	320
3-5	910	70	242	7-31	620	53	145
3-13	1040	96	260	8-7	1120	120	285
3-20	870	72	230	8-15	1270	136	345
3-27	990	71	270	8-21	1360	142	365
4-2	950	90	230	8-28	1230	138	375
4-10	960	69	245	9-6	1120	165	185
4-17	890	91	230	9-11	800	65	170
4-24	1070	112	215	9-17	950	105	205
5-1	1110	70	230	9-25	790	37	260
5-8	1000	78	240				
5-14	1070	87	275				
5-22	980	184	230				
5-28	1100	108	300				
6-4	600	47	135				
6-5	720	50	180				
6-11	560	31	146				
6-19	990	92	255				
6-25	970	93	265				
7-3	1130	120	295				
7-9	680	54	146				
7-17	890	94	220				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 772
Location: Salt Fork of Cimarron River near Cherokee, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-27-59	1630	100	620	9-20-61	2030	144	925
8-10	2700	260	1130	9-27	1810	100	1025
8-17	1400	50	420	10-4	2270	198	1050
8-24	1800	130	600	10-11	2110	141	900
8-31	1500	100	710	10-19	2130	148	975
9-8	1650	100	565	10-27	2100	146	900
10-6	1300	120	375	11-2	1700	53	900
6-8	1730	58	920	11-8	2140	185	850
6-13	2020	171	870	11-15	2100	200	800
6-20	2070	160	840	11-21	2060	178	810
6-27	2060	154	900	11-28	2190	201	840
7-4	2010	162	950	12-5	2160	208	870
7-11	1970	154	925	12-14	2430	198	925
7-18	2130	146	850	12-18	2130	189	840
7-26	1150	81	360	12-21	2280	220	840
8-2	1920	150	710	12-25	1840	171	900
8-8	1930	157	820	12-26	1920	186	900
8-16	1080	45	460	12-27	1990	198	850
8-23	1620	30	820	1-4-62	1960	195	825
8-30	2080	173	900	1-6	2110	188	800
9-7	2030	155	883	1-8	1940	167	700
9-13	1740	116	660	1-8	1980	178	510

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 772
Location: Salt Fork of Cimarron River near Cherokee, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-12-62	3040	208	1050	3-21-62	2220	227	960
1-15	2400	163	900	3-28	2300	246	980
1-16	2490	168	866	4-2	2230	225	940
1-17	2160	175	950	4-6	2190	215	910
1-22	2420	204	1050	4-11	1990	235	870
1-24	2140	181	900	4-17	2150	214	880
1-29	1740	153	710	4-24	2260	222	920
1-30	1440	109	560	4-25	2320	223	960
1-31	1550	107	575	4-27	1960	177	750
2-5	2030	189	770	4-30	2400	254	960
2-7	2090	197	785	5-1	2310	219	940
2-7	2130	189	820	5-8	2330	229	960
2-13	2150	202	840	5-14	2100	198	940
2-20	2010	196	860	5-15	2260	200	920
2-21	2090	209	870	5-22	2280	187	920
2-28	2220	209	940	5-30	2170	191	960
2-28	2150	200	870	5-30	2040	171	900
3-2	2010	176	830	6-1	660	35	215
3-5	2250	271	820	6-4	1330	56	660
3-13	2130	218	910	6-6	1010	53	410
3-14	2100	215	910	6-12	1060	53	420
3-20	2000	217	920	6-19	1900	162	770

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 772
Location: Salt Fork of Cimarron River near Cherokee, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-25-62	2070	97	1075				
7-4	1960	147	840				
7-9	2030	189	710				
7-18	1930	139	800				
7-23	2050	173	870				
7-31	370	15	135				
8-8	1600	120	730				
8-16	1890	124	750				
8-21	1940	151	750				
8-28	1900	136	500				
9-7	1920	157	800				
9-12	1960	85	850				
9-17	1780	119	770				
9-26	1290	149	385				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 764
Location: Salt Fork of Arkansas River near Winchester, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
9-8-59	1900	170	880	3-3-60	1950	242	800
9-29	1110	120	300	3-9	1975	195	850
10-12	1850	250	760	3-23	2250	152	800
10-21	2200	550	700	3-29	2000	200	880
10-26	2800	900	440	4-4	2090	225	920
11-2	2400	350	420	4-11	1950	215	820
11-9	2000	450	400	4-19	2000	252	740
11-17	3200	500	500	4-28	2300	257	900
11-24	2000	250	700	5-5	1900	240	780
12-3	2500	500	520	5-9	1740	210	340
12-7	2800	400	400	5-18	2300	282	840
12-16	2000	300	400	5-26	2250	380	700
12-21	2100	300	820	6-3	1460	145	600
12-28	1500	200	680	6-9	1730	113	780
1-4-60	2000	350	840	6-13	1540	101	620
1-13	2000	250	540	6-21	2420	298	820
1-21	1000	400	900	6-28	2490	272	980
1-27	1700	150	560	7-6	980	45	370
2-1	1300	230	760	7-12	2060	275	840
2-8	1500	100	700	7-19	2300	322	980
2-16	2000	270	920	7-27	2270	202	980
2-23	2000	234	800	8-4	2300	186	1010

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 764
Location: Salt Fork of Arkansas River near Winchester, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-8-60	2520	622	1240	1-17-61	2160	278	860
8-16	2200	184	1100	1-24	2440	362	860
8-29	1640	79	780	1-30	2510	356	930
9-8	2390	208	1100	2-18	2140	232	980
9-13	2460	210	1100	2-14	1770	178	780
9-20	2280	174	1180	2-21	1920	225	800
9-28	2260	236	1180	2-28	2150	298	770
10-5	2200	186	1020	3-6	2300	305	780
10-11	2060	168	1300	3-14	2220	305	770
10-19	1270	104	550	3-21	1970	172	820
10-25	1380	108	590	3-28	2170	270	830
11-2	2110	228	820	4-3	2040	225	830
11-8	2340	372	900	4-11	1860	172	810
11-15	2450	282	860	4-18	2350	310	900
11-21	2340	372	900	4-25	2530	342	920
11-30	2250	290	900	5-2	2450	325	980
12-6	2170	315	980	5-4	1380	133	520
12-13	1950	215	840	5-9	2010	202	860
12-19	2060	228	860	5-16	2570	328	1000
12-27	2010	242	800	5-18	2530	328	920
1-4-61	2290	322	880	5-23	2410	305	940
1-10	2340	300	880	5-30	2580	335	980

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 764
Location: Salt Fork of Arkansas River near Winchester, Oklahoma
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-1-61	2590	310	1060				
6-6	1510	76	710				
6-13	2490	337	900				
6-19	2700	370	900				
6-27	2580	315	1000				
7-4	2330	235	1040				
7-12	2310	235	900				
7-18	2630	222	1080				
7-25	960	92	265				
8-2	2360	230	940				
8-9	2290	190	1100				
8-15	900	54	280				
8-22	1460	80	520				
9-6	2780	305	1075				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 229
Location: Walnut River at Winfield, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-29-59	960	220	105	1-4-60	950	150	90
8-12	1200	290	101	1-14	1200	260	130
8-18	430	130	20	1-19	630	90	85
8-26	900	220	40	1-28	1100	210	110
9-2	1200	270	59	2-2	875	140	115
9-10	850	180	59	2-10	540	80	65
9-16	1100	250	80	2-17	900	155	85
9-23	1400	380	101	2-24	1200	215	140
10-1	900	220	60	3-4	1400	254	115
10-8	550	160	30	3-10	1325	248	170
10-14	450	80	31	3-24	310	29	70
10-19	950	130	59	3-29	710	71	120
10-28	1600	250	57	4-5	710	108	140
11-4	1800	160	73	4-14	1100	193	100
11-11	1500	250	85	4-20	825	160	60
11-19	1700	270	85	4-28	1000	210	90
11-25	1650	290	145	5-5	775	128	82
12-3	1600	290	100	5-10	700	127	44
12-9	1800	300	85	5-18	1300	230	125
12-16	1500	300	75	5-25	1280	260	140
12-23	1600	290	100	6-2	1130	242	95
12-30	520	100	65	6-8	1150	230	140

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 229
Location: Walnut River at Winfield, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-15-60	410	59	37	11-15-60	1230	195	150
6-21	826	123	65	11-22	1520	300	205
6-29	930	152	135	11-29	1560	284	240
7-7	1090	208	130	12-7	1720	340	265
7-13	1340	274	135	12-14	570	62	135
7-19	435	64	46	12-20	760	112	98
7-26	708	105	53	12-28	1140	183	180
8-4	515	58	63	1-5-61	1460	278	200
8-9	592	100	50	1-11	1640	290	240
8-18	682	99	63	1-18	1640	315	275
8-24	547	80	57	1-25	1740	338	300
8-30	364	36	95	2-1	1760	325	295
9-8	877	137	105	2-8	1650	315	295
9-12	1130	192	150	2-13	1630	322	300
9-19	1380	208	180	2-22	528	63	88
9-27	253	25	48	3-1	814	129	87
10-4	590	86	78	3-7	1260	220	130
10-12	1030	222	150	3-14	1420	253	170
10-18	1730	332	330	3-22	749	95	100
10-24	988	144	200	3-29	268	26	12
10-31	259	18	37	4-5	889	125	150
11-8	689	95	73	4-12	357	32	32

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 229
Location: Walnut River at Winfield, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-19-61	845	127	87	9-19-61	836	111	60
4-26	907	152	68	9-26	565	61	70
5-3	581	73	62	10-3	758	115	120
5-10	659	92	51	10-10	216	20	22
5-17	1150	171	104	10-18	848	113	58
5-24	271	22	30	10-26	1170	170	100
5-31	975	131	110	11-1	1110	128	185
6-7	519	68	58	11-7	735	89	52
6-14	645	94	52	11-14	867	124	87
6-20	815	124	100	11-21	684	89	50
6-28	1070	206	108	11-28	1040	138	96
7-3	1210	240	135	12-5	1200	190	100
7-12	757	116	100	12-14	1220	198	135
7-18	1580	315	175	12-20	909	140	72
7-25	169	12	22	12-27	1060	191	92
8-2	1190	189	90	1-3-62	1040	162	103
8-8	1250	239	95	1-9	1180	184	138
8-15	609	92	59	1-16	1270	200	115
8-23	261	33	20	1-23	1264	208	146
8-30	836	122	60	1-30	159	32	37
9-6	890	157	100	2-2	319	50	25
9-12	714	100	82	2-5	490	56	48

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 229
Location: Walnut River at Winfield, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-13-62	1040	142	96	7-2-62	632	84	78
2-20	718	90	80	7-10	437	54	54
2-26	1020	144	96	7-16	483	28	69
3-6	1230	185	100	7-24	658	93	71
3-13	1190	190	138	7-30	1202	214	105
3-20	1162	204	110	8-6	1020	200	112
3-27	767	133	58	8-13	1139	206	160
4-3	820	133	112	8-21	1339	275	140
4-9	1076	174	130	8-28	1394	290	184
4-17	1132	192	144	9-5	895	155	120
4-24	1210	216	156	9-10	648	103	86
5-1	1191	202	146	9-18	296	25	31
5-8	1030	180	100	9-25	329	36	22
5-14	1228	222	160				
5-22	1393	255	166				
5-28	1414	265	196				
6-1	1737	312	290				
6-4	386	51	49				
6-4	432	63	46				
6-12	598	65	84				
6-19	846	123	69				
6-25	960	139	128				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 227
Location: Arkansas River at Arkansas City, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (µmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-29-59	1100	240	88	3-10-60	2000	395	300
8-26	1800	540	150	3-16	960	175	190
10-8	460	170	25	3-24	650	85	105
10-28	2400	370	155	3-29	460	36	140
11-4	2100	330	175	4-5	1200	180	250
11-11	2100	390	185	4-14	1900	-	-
11-19	2500	430	230	4-20	1500	300	260
11-25	2050	440	325	4-27	1650	357	300
12-3	2100	430	245	5-5	1700	375	210
12-4	2500	390	180	5-9	440	96	45
12-16	2000	370	195	5-18	1500	312	195
12-23	2100	370	210	5-24	1390	618	170
12-30	1600	330	290	6-2	910	195	125
1-4-60	2200	420	440	6-8	1360	285	150
1-14	1800	370	380	6-15	630	126	80
1-19	1425	280	280	6-20	1090	212	140
1-28	1650	330	230	6-29	1650	295	275
2-2	1600	330	270	7-7	1850	370	275
2-10	900	160	150	7-13	1880	392	265
2-17	1600	320	340	7-19	1390	285	175
2-24	2000	410	390	7-26	1310	270	150
3-4	2000	438	310	8-4	1890	470	210

Specific Conductance (µmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 227
Location: Arkansas River at Arkansas City, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-9-60	1380	295	160	1-11-61	2060	450	225
8-18	1800	405	220	1-18	1970	460	240
8-24	1300	290	130	1-25	2330	560	275
8-30	350	54	41	2-1	2020	500	220
9-8	1670	400	155	2-8	1880	430	210
9-12	1060	206	105	2-13	1630	348	185
9-19	1730	440	175	2-22	1220	244	145
9-26	308	47	44	3-1	1780	382	200
10-4	1480	356	160	3-7	1910	408	200
10-12	1960	530	175	3-14	1940	423	220
10-17	795	176	100	3-22	1040	182	120
10-24	1210	278	110	3-29	941	186	98
10-31	435	66	60	4-5	1530	335	125
11-9	1610	235	175	4-12	858	164	88
11-16	1840	385	185	4-19	1770	402	170
11-23	1910	500	205	4-26	1770	395	190
11-29	1820	415	200	5-3	1130	228	115
12-7	1650	422	190	5-5	374	53	44
12-14	1140	212	150	5-10	585	103	51
12-20	1670	368	195	5-12	982	192	82
12-28	1270	442	185	5-17	1630	362	145
1-5-61	2030	495	205	5-24	1400	298	140

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 227
Location: Arkansas River at Arkansas City, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-31-61	1780	428	165	9-18-61	564	89	54
6-14	1380	300	135	9-19	551	78	50
6-20	1120	258	100	9-21	703	103	64
6-28	918	172	95	9-22	653	104	54
6-7	1670	520	175	9-25	907	148	104
7-3	1900	460	190	9-28	787	144	270
7-12	2110	540	180	9-29	1075	200	190
7-18	1740	395	145	10-2	1180	219	285
7-25	403	60	38	10-4	1430	292	210
8-2	1430	312	112	10-10	382	58	40
8-8	1470	332	100	10-12	445	66	45
8-15	475	64	44	10-13	473	80	46
8-17	926	182	84	10-16	1050	222	92
8-18	1150	228	104	10-18	1640	370	130
8-21	383	51	30	10-26	1930	460	140
8-23	527	76	41	11-1	724	124	68
8-30	1150	218	73	11-2	270	38	32
8-24	632	105	58	11-3	343	48	35
9-6	1466	323	150	11-6	708	122	66
9-12	1540	332	138	11-7	975	188	90
9-14	451	63	46	11-14	1285	263	116
9-15	344	44	20	11-9	1326	278	126

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 227
Location: Arkansas River at Arkansas City, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
11-16-61	1060	218	110	3-2-62	2260	485	230
11-17	492	81	51	3-6	1840	392	215
11-20	743	140	68	3-13	1790	358	250
11-21	1025	215	92	3-20	1991	400	330
11-28	1740	360	165	3-27	1997	375	330
12-5	1770	348	190	4-4	2116	425	340
12-14	2240	525	200	4-9	1923	392	345
12-20	1420	308	130	4-17	1785	372	270
12-27	1520	323	205	4-24	1401	275	190
1-3-62	2010	540	212	5-1	1714	357	215
1-9	2050	445	220	5-8	1949	407	235
1-11	2730	590	310	5-14	2059	490	250
1-12	2730	620	270	5-21	2225	510	240
1-16	2150	430	220	5-22	2138	475	235
1-18	2130	485	250	5-28	717	121	72
1-19	2160	490	270	5-31	267	29	27
1-30	392	46	54	6-1	275	33	29
2-5	1240	232	152	6-4	283	27	25
2-13	1740	310	300	6-12	1124	227	116
2-20	1800	338	280	6-19	1515	327	155
2-26	1970	410	240	6-25	1622	315	210
3-1	2730	660	275	7-2	1724	357	225

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 227
Location: Arkansas River at Arkansas City, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (umhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (umhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-10-62	539	85	65				
7-16	427	72	54				
7-24	409	61	48				
7-30	1110	202	116				
8-6	561	91	57				
8-13	1028	176	124				
8-21	1558	315	185				
8-28	1147	225	132				
9-5	905	168	104				
9-10	896	180	88				
9-18	648	110	58				
9-25	500	66	48				

Specific Conductance (umhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 224
Location: Little Arkansas River at Valley Center, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
2-5-62	606	93	43	4-3-62	1380	312	66
2-6	564	87	37	4-6	978	165	63
2-8	790	120	50	4-9	1045	171	69
2-13	946	147	66	4-11	1061	179	68
2-14	925	149	65	4-17	1234	252	71
2-16	1000	169	74	4-19	1240	244	71
2-19	1190	249	54	4-24	1299	274	70
2-20	1200	246	60	4-25	1923	482	63
2-21	1285	286	63	4-27	1348	317	45
2-23	1340	298	58	4-30	951	166	64
2-26	1040	175	63	5-1	982	167	63
2-27	1080	196	70	5-2	1050	195	60
2-28	1140	191	75	5-4	1495	347	57
3-6	1290	237	81	5-8	1161	212	63
3-7	1090	201	72	5-9	1129	220	63
3-13	1170	227	73	5-14	1327	290	57
3-14	1170	234	83	5-15	1317	277	57
3-20	1215	242	78	5-16	1339	268	53
3-27	1225	244	81	5-22	1048	177	48
3-28	1525	430	63	5-23	1050	200	50
3-30	1131	246	64	5-25	315	32	30
4-2	1629	420	64	5-28	284	25	28

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 224
Location: Little Arkansas River at Valley Center, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-15-61	484	78	30	11-14-61	694	81	58
6-20	882	136	53	11-21	494	79	35
6-27	780	100	53	11-28	821	115	64
7-3	800	107	48	12-5	1020	160	68
7-12	749	106	50	12-14	1160	218	74
7-18	869	122	53	12-18	1150	194	78
7-25	334	49	25	12-20	1170	194	83
8-1	784	124	40	12-22	1030	192	84
8-7	847	138	44	12-27	1030	191	90
8-15	778	103	46	12-29	1090	183	65
8-22	626	71	48	1-3-62	1130	210	61
8-29	1080	210	50	1-5	1220	226	71
9-6	757	98	54	1-8	969	174	55
9-12	628	59	53	1-9	1190	252	57
9-19	513	55	38	1-16	1050	162	60
9-26	665	76	50	1-17	980	136	92
10-3	738	98	230	1-23	960	140	84
10-10	126	7	20	1-24	853	117	84
10-18	617	62	46	1-27	394	56	28
10-26	760	74	62	1-29	159	24	21
11-1	693	85	55	1-30	151	16	20
11-7	451	65	32	2-1	229	34	22

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 224
Location: Little Arkansas River at Valley Center, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-29-62	131	12	22	9-25-62	1415	415	24
5-30	71	6	20				
6-1	147	17	20				
6-5	174	18	20				
6-6	182	22	20				
6-8	347	45	26				
6-11	535	65	36				
6-12	562	70	41				
6-19	828	117	52				
6-25	586	78	40				
7-3	1499	357	46				
7-10	825	137	44				
7-17	218	30	33				
7-24	514	69	33				
7-30	707	105	38				
8-6	694	114	42				
8-14	1086	202	53				
8-21	845	112	54				
8-28	525	94	35				
9-5	383	37	28				
9-11	320	32	33				
9-17	473	46	37				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 760
Location: Arkansas River near Hutchinson, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-29-59	1700	320	172	1-5-60	3400	560	920
8-11	2400	560	310	1-14	2200	470	600
8-18	2200	550	280	1-20	3800	660	560
8-25	2500	650	170	1-27	3000	410	560
9-1	2500	690	240	2-1	2400	490	520
9-9	2300	650	185	2-9	1700	280	440
9-15	3000	850	210	2-16	2100	375	560
9-22	2400	1000	185	2-24	2600	586	640
10-1	350	40	24	3-3	2000	387	320
10-7	480	180	20	3-9	2250	405	520
10-13	900	200	140	3-24	530	49	170
10-20	1700	300	350	3-28	650	46	135
10-27	2600	290	355	4-4	1650	230	520
11-3	2700	340	360	4-12	1850	270	520
11-10	2600	380	340	4-20	1900	305	520
11-19	3200	430	480	4-29	1500	287	460
11-24	2800	350	660	5-5	1500	325	340
12-3	2600	370	410	5-10	1700	370	240
12-8	3000	380	480	5-18	1780	320	320
12-16	2600	580	450	5-25	1670	340	280
12-22	2900	400	800	6-2	1460	282	280
12-29	3000	490	800	6-8	1120	218	180

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 760
Location: Arkansas River near Hutchinson, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-14-60	730	156	90	11-15-60	2500	560	315
6-23	1300	182	310	11-22	2500	650	390
6-29	2100	312	525	11-29	2350	580	315
7-6	2080	385	400	12-6	2730	700	340
7-12	1880	405	365	12-13	2340	555	340
7-19	1720	322	295	12-20	2950	760	350
7-27	1960	400	330	12-28	2710	650	375
8-4	2000	410	325	1-4-61	2930	735	375
8-9	2350	510	350	1-10	2700	615	375
8-18	2360	555	330	1-17	2610	610	410
8-23	2290	535	250	1-24	3080	755	400
8-30	2220	515	225	1-31	2510	580	350
9-7	2290	540	295	2-8	2280	535	325
9-13	2820	710	275	2-14	2530	560	420
9-20	2600	650	275	2-21	2730	615	430
9-27	1760	430	175	2-28	2460	530	530
10-4	2500	650	265	3-7	2500	530	400
10-11	2720	760	255	3-14	2440	535	360
10-18	2290	615	230	3-21	2210	500	310
10-25	2170	510	280	3-29	2770	690	290
10-31	1780	405	225	4-4	2610	645	340
11-8	2450	540	325	4-12	2260	550	240

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 760
Location: Arkansas River near Hutchinson, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-19-61	2760	710	320	8-18-61	370	48	22
4-25	2460	580	340	8-20	510	73	46
5-3	2120	485	260	8-22	610	99	53
5-5	380	64	48	8-23	710	125	71
5-10	1220	285	100	8-25	670	113	66
5-11	1630	370	150	8-27	1030	200	96
5-16	2040	450	250	8-29	1160	220	120
5-23	2140	490	240	9-6	1150	238	145
5-30	2150	500	220	9-6	1240	234	155
6-6	1290	238	190	9-8	1410	276	180
6-14	960	188	105	9-10	1870	424	205
6-15	1380	295	145	9-12	1600	332	205
6-20	1050	188	110	9-13	1000	197	92
6-27	1280	315	210	9-15	450	63	33
7-4	2010	460	265	9-17	350	37	25
7-12	2290	565	240	9-19	370	39	38
7-18	1130	198	135	9-20	570	86	140
7-25	930	190	66	9-22	900	161	260
8-1	2360	640	205	9-24	1150	278	210
8-7	870	194	56	9-26	1320	218	145
8-15	1540	340	110	9-27	1370	317	440
8-16	450	59	36	9-29	1540	311	530

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 760
Location: Arkansas River near Hutchinson, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-1-61	1680	364	480	11-10-61	2250	535	215
10-3	1740	378	400	11-12	2430	595	265
10-4	1910	410	220	11-14	2170	510	245
10-6	2160	500	200	11-15	1880	435	268
10-8	1950	440	230	11-17	1220	272	118
10-10	1920	422	210	11-19	2140	525	225
10-11	2080	495	200	11-21	2280	540	242
10-13	2020	460	200	11-22	2360	450	280
10-15	2180	545	200	11-24	2560	605	305
10-17	2330	570	200	11-26	1790	365	230
10-18	2260	565	200	11-28	2090	423	340
10-20	2200	520	220	11-28	2320	455	260
10-22	2190	520	215	11-30	2360	450	213
10-24	2180	520	220	12-2	2480	490	415
10-26	2300	555	215	12-5	3010	655	350
10-27	2540	625	200	12-6	1110	205	188
10-29	2240	535	210	12-8	1910	360	330
11-1	1640	350	190	12-10	850	138	146
11-4	1620	375	170	12-13	2990	645	450
11-5	2050	490	195	12-14	3150	695	485
11-7	2310	545	220	12-15	2970	680	335
11-8	2420	590	245	12-20	3040	690	390

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 760
Location: Arkansas River near Hutchinson, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
12-24-61	2760	655	430	4-10-62	2260	385	530
12-27	2410	490	480	4-17	2280	445	480
1-3-62	2870	560	190	4-24	1630	297	310
1-9	3650	700	660	5-1	2450	490	410
1-12	3390	710	520	5-8	2240	455	385
1-14	3150	668	430	5-15	1820	492	355
1-16	2780	525	430	5-22	2510	545	345
1-17	2730	602	460	5-25	3050	810	355
1-26	2920	745	360	5-27	3560	915	375
1-29	1000	186	175	5-29	360	51	41
2-6	2300	425	450	5-29	3750	1035	295
2-13	2720	445	630	6-5	1290	272	150
2-20	2680	515	570	6-12	2190	485	290
2-27	2980	580	580	6-19	2120	400	355
2-28	3110	670	480	6-26	2280	430	470
3-2	2900	645	405	7-3	1300	220	220
3-6	2530	515	428	7-10	330	39	41
3-13	2530	450	630	7-17	560	85	75
3-18	2800	615	710	7-24	1340	310	105
3-20	2500	460	700	7-30	640	87	69
3-27	2420	480	670	8-7	370	42	45
4-3	2530	390	700	8-14	1190	205	190

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 760
Location: Arkansas River near Hutchinson, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-21-62	1670	347	250				
8-28	650	99	81				
9-5	720	125	75				
9-11	1590	335	200				
9-18	1160	230	115				
9-25	800	127	96				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 767
Location: Rattlesnake Creek near Raymond, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
8-11-59	4800	1500	172	1-14-60	4200	1350	165
8-18	4000	230	100	1-20	4400	1500	205
8-25	4200	1430	106	1-27	4100	1450	190
9-1	5000	1500	150	2-1	4100	1250	150
9-9	3700	1500	100	2-9	2400	850	120
9-15	6000	2500	220	2-16	3000	1025	140
9-22	3000	1200	110	2-24	4000	1380	175
9-30	3200	1400	100	3-3-	3500	1090	130
10-7	3300	1100	96	3-9	3000	950	125
10-13	3500	1050	150	3-24	1230	298	75
10-20	3500	900	150	3-28	1850	500	85
10-27	4500	1250	100	4-4	2700	860	130
11-3	4200	950	95	4-12	3000	1020	105
11-10	4000	1200	100	4-19	2100	645	80
11-18	5000	1300	95	4-29	3400	1175	145
11-24	4000	1050	150	5-4	3600	1310	130
12-2	3800	1100	100	5-10	2000	700	200
12-8	4600	1050	85	5-18	3300	1020	135
12-15	3100	1300	90	5-25	3100	1060	120
12-22	3500	1100	110	6-2	2220	685	95
12-29	5000	1750	205	6-8	3800	1410	150
1-5-60	6000	1750	225	6-14	3060	1020	105

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 767
Location: Rattlesnake Creek near Raymond, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-22-60	3480	1060	115	11-22-60	3410	1170	175
6-29	3650	1070	145	11-29	4200	1390	190
7-6	4450	1320	150	12-6	4280	1460	210
7-12	3550	1040	130	12-13	5450	1760	280
7-19	4690	1410	170	12-20	5320	1680	240
7-27	3280	1000	140	12-28	4410	1380	200
8-4	4600	1400	175	1-4-61	4730	1480	210
8-9	5150	1530	180	1-10	4480	1370	200
8-17	3290	980	150	1-17	4380	1370	195
8-23	3780	1160	140	1-24	4460	1370	205
8-30	4410	1320	185	1-31	3680	1110	170
9-7	4770	1480	195	2-8	3520	1090	170
9-13	5300	1670	135	2-14	5030	1600	220
9-20	5100	1660	185	2-21	4100	1290	375
9-27	5060	1710	195	2-28	4000	1260	170
10-4	4500	1480	155	3-7	3940	1160	150
10-11	5810	1930	225	3-14	3820	1140	125
10-18	4360	1440	175	3-21	3700	1130	150
10-25	3210	960	150	3-28	4920	1580	210
11-1	3250	910	155	4-4	4230	1410	180
11-8	3030	880	150	4-11	4110	1300	173
11-15	3690	1060	155	4-19	4310	1370	165

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 767
Location: Rattlesnake Creek near Raymond, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-25-61	4490	1390	175	9-7-61	2490	733	88
5-3	3200	970	135	9-9	2490	733	88
5-9	3350	1030	140	9-11	2695	780	96
5-16	4260	1290	160	9-18	2655	788	98
5-23	4200	1290	170	9-19	2687	725	98
5-30	3900	1210	150	9-25	3323	930	124
6-6	5050	1590	215	9-28	2780	830	220
6-13	4520	1410	165	9-30	2540	730	210
6 15	6200	2025	210	10-2	3210	880	290
6-20	3880	1150	120	10-7	2630	735	88
6-27	3610	1120	135	10-9	3930	1160	130
7-4	4350	1370	155	10-17	3530	1100	135
7-12	4900	1590	165	10-25	3070	915	105
7-17	4730	1460	170	11-3	5450	1775	220
7-24	3240	1010	95	11-6	3740	1130	170
8-1	2240	825	77	11-13	3883	1200	150
8-7	3770	1210	115	11-20	4420	1400	160
8-14	400	1200	120	11-27	4470	1340	160
8-22	1670	460	54	12-4	3720	1110	100
8-29	1850	495	54	12-19	3900	1110	120
9-5	2444	703	92	12-26	4240	1380	170
9-6	2490	718	90	1-2-62	4040	1220	118

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 767
Location: Rattlesnake Creek near Raymond, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-8-62	4410	1370	142	3-27-62	3735	1150	115
1-15	3850	1130	140	3-29	3859	1210	120
1-22	3400	1045	140	4-3	3299	1030	120
1-29	3282	1040	110	4-7	3507	1140	135
2-6	3600	1100	115	4-10	3469	1045	125
2-12	3720	1130	115	4-12	3182	1180	120
2-15	4100	1300	145	4-16	3060	925	100
2-17	4100	1310	130	4-23	4590	1400	190
2-19	4250	1350	145	4-24	3866	1190	135
2-20	4160	1350	132	4-28	3971	1230	150
2-22	4250	1320	122	4-30	4159	1270	145
2-24	4100	1240	140	5-7	3838	1120	135
2-27	3060	885	114	5-15	3287	1040	120
2-28	3680	1150	110	5-15	4115	1210	140
3-2	3990	1240	125	5-17	4547	1360	165
3-3	3840	1170	118	5-19	4990	1520	175
3-5	3630	1080	102	5-21	5184	1570	185
3-12	3110	950	124	5-22	4363	1330	160
3-19	3472	1110	140	5-24	5636	1820	225
3-20	3621	1080	125	5-26	5252	1660	210
3-22	3685	1130	120	5-29	5171	1630	225
3-26	4090	1300	140	5-29	5434	1700	245

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 767
Location: Rattlesnake Creek near Raymond, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
5-31-62	5050	1570	200				
6-2	5414	1680	240				
6-5	3626	1080	145				
6-6	3804	1130	145				
6-7	4243	1280	150				
6-11	3344	960	115				
6-18	3636	1110	125				
6-26	3990	1210	145				
7-3	4304	1330	170				
7-9	3260	990	100				
7-17	3989	1250	145				
7-23	4138	1320	130				
7-31	3515	1050	130				
8-7	2193	695	75				
8-14	2954	890	100				
8-20	3249	990	100				
8-29	2626	780	104				
9-4	2481	725	100				
9-11	2635	785	96				
9-18	2290	695	80				
9-24	2136	575	82				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 220
Location: Arkansas River near Great Bend, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
7-29-59	750	50	248	1-5-60	3000	130	1560
8-11	1270	75	490	1-14	2200	100	1300
8-18	1250	70	300	1-20	2250	100	1240
8-25	1500	90	285	1-27	1950	90	980
9-1	1020	80	325	2-1	2100	100	1000
9-9	1130	70	350	2-9	2500	110	1100
9-15	1150	150	360	2-16	2250	100	1350
9-22	800	60	180	2-24	2000	204	850
9-30	560	40	140	3-3	2400	92	1000
10-7	360	20	58	3-9	2250	98	1100
10-13	2000	80	400	3-23	430	11	170
10-20	2600	300	1200	3-28	1800	71	820
10-27	3500	130	660	4-4	1400	52	640
11-3	2900	130	820	4-12	2000	89	1000
11-10	3000	110	540	4-19	2100	96	1120
11-18	3300	110	780	4-29	1650	82	800
11-24	3000	110	1400	5-4	1525	78	600
12-2	2900	130	920	5-10	1350	68	400
12-8	3100	120	840	5-17	1500	64	560
12-15	2500	100	680	5-25	1400	61	540
12-22	2600	110	1320	6-2	1270	64	600
12-29	2200	110	1320	6-8	1050	45	380

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 220
Location: Arkansas River near Great Bend, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
6-14-60	570	24	170	11-15-60	1490	63	550
6-22	1920	70	900	11-22	1410	72	570
6-29	2080	86	900	11-30	1390	69	570
7-6	1770	80	820	12-6	1390	68	570
7-12	1630	74	710	12-13	1410	66	620
7-19	1430	68	620	12-20	1600	78	700
7-27	1390	70	600	12-28	1440	67	660
8-4	1500	76	600	1-4-61	1450	67	630
8-9	1360	65	560	1-10	1570	67	660
8-17	1270	63	510	1-17	1510	71	660
8-23	1300	71	480	1-24	1670	80	780
8-30	1350	82	460	1-31	1570	70	710
9-6	1330	74	490	2-8	1470	68	700
9-13	1310	81	450	2-14	1710	76	880
9-20	1280	82	410	2-21	1730	76	270
9-27	1250	90	450	2-28	1710	76	750
10-4	1220	79	450	3-7	1620	72	640
10-11	1210	79	450	3-14	1510	66	620
10-18	1250	74	480	3-21	1370	63	495
10-25	1180	67	460	3-28	1410	66	560
11-1	1320	62	550	4-4	1380	66	590
11-8	1370	58	570	4-11	1280	58	490

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 220
Location: Arkansas River near Great Bend, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-19-61	1350	66	520	8-17-61	270	7	35
4-25	1380	63	510	8-19	293	8	49
5-2	1330	65	520	8-21	406	14	80
5-4	1060	47	360	8-24	573	22	155
5-9	931	42	290	8-29	955	44	285
5-11	1130	52	380	9-5	1100	56	343
5-16	1250	58	440	9-6	1090	54	365
5-18	1260	-	-	9-7	1020	50	315
5-23	1210	58	420	9-9	1040	53	330
5-30	1200	58	410	9-11	1070	55	345
6-6	396	18	104	9-12	1050	53	340
6-13	1070	42	400	9-16	400	12	82
6-20	952	38	285	9-18	800	37	250
6-27	968	43	310	9-19	925	40	300
7-4	1090	60	385	9-21	995	45	340
7-12	1020	58	330	9-23	1025	48	350
7-17	346	14	48	9-25	1134	55	340
7-24	518	22	102	10-2	1120	63	775
8-1	916	52	285	10-3	1130	58	350
8-7	575	26	105	10-5	1130	56	390
8-14	486	17	42	10-7	1150	58	360
8-15	300	8	46	10-10	1130	60	350

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 220
Location: Arkansas River near Great Bend, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
10-12-61	1140	62	340	12-16-61	2300	98	1000
10-14	1140	61	360	12-19	2030	96	840
10-17	1150	64	350	12-19	1880	88	720
10-19	1130	68	380	12-20	1900	85	925
10-21	1140	60	380	12-21	1920	90	950
10-25	1200	68	380	12-23	1960	87	925
11-6	1240	58	380	12-25	2020	91	1025
11-13	1306	67	440	12-26	2070	90	1050
11-20	1560	70	635	12-28	2350	97	1050
11-21	1610	89	700	12-30	2430	105	1075
11-23	1660	72	750	1-1-62	2450	100	1125
11-25	1820	78	850	1-2	2450	97	1113
11-27	2060	86	900	1-4	2490	104	1088
11-28	2080	84	850	1-6	2830	115	1337
11-30	2190	91	975	1-8	2630	116	1212
12-2	2290	90	1050	1-9	2730	111	1200
12-4	2330	96	1075	1-11	2990	127	1300
12-5	2338	95	1025	1-13	2310	101	1000
12-7	2380	96	1012	1-15	2380	132	950
12-11	2540	108	1075	1-16	2300	100	1200
12-13	2480	108	1050	1-18	2100	93	900
12-14	2080	94	840	1-20	2260	98	1150

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 220
Location: Arkansas River near Great Bend, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
1-23-62	2085	90	1000	3-3-62	1870	86	775
1-25	1991	93	825	3-5	1680	74	690
1-27	1853	81	850	3-6	1810	78	800
1-29	1748	66	700	3-8	1970	87	920
1-30	1660	75	710	3-10	2210	98	1100
2-1	1690	75	710	3-12	2500	102	1250
2-3	1910	82	812	3-13	2581	105	1350
2-6	2290	97	1150	3-19	2720	109	1300
2-7	2450	96	1150	3-20	2211	104	1325
2-8	2500	100	1250	3-22	2432	101	1250
2-10	2590	104	1300	3-24	2513	99	1200
2-12	2670	105	1300	3-26	2386	100	1225
2-13	2510	106	1275	3-27	2435	100	1150
2-15	2450	103	1200	3-29	2427	98	1190
2-17	2340	97	1200	3-31	2480	102	1275
2-19	2020	82	850	4-3	2518	100	1125
2-20	2120	90	1025	4-3	2324	97	1240
2-22	2100	90	825	4-5	2054	88	980
2-24	2080	91	900	4-7	1919	80	840
2-27	2100	97	1025	4-10	1847	84	780
2-28	2190	98	888	4-11	1950	74	770
3-1	2150	98	900	4-12	1754	73	770

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
mg/l - Milligrams per liter.

BASIS FOR CORRELATION OF SPECIFIC CONDUCTANCE AND CHEMICAL ANALYSES

PHS Station No.: 220
Location: Arkansas River near Great Bend, Kansas
Basin: Arkansas
Tributary to: Arkansas

Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)	Date	Sp. Cond. (μmhos)	Chlorides (mg/l)	Sulfates (mg/l)
4-14-62	1734	74	750	8-20-62	1168	61	380
4-16	1652	74	740	8-29	1000	49	330
4-23	1523	69	670	9-4	1112	57	360
4-24	1641	70	670	9-11	896	50	265
4-26	1567	67	640	9-18	803	32	220
4-28	1599	67	640	9-24	568	27	100
4-30	1432	63	570				
5-7	1495	66	580				
5-10	1465	67	590				
5-15	1426	68	580				
5-21	1501	73	520				
5-29	1545	78	620				
6-5	986	42	340				
6-11	1411	60	560				
6-18	1798	69	760				
6-26	1729	75	730				
7-3	1154	48	400				
7-9	395	13	92				
7-17	1010	47	340				
7-23	986	46	320				
7-31	592	19	185				
8-7	453	26	100				

Specific Conductance (μmhos) - micromhos/cm @ 25° C.
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